

Year	2021
QUT code	DS01
CRICOS	103170C
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$6,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Chris Drovandi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Your QUT Bachelor of Data Science degree consists of 288 credit points (24 units) arranged as follows:

- (a) 192 credit points (16 units) of Core discipline units; and
 (b) 96 credit points of complementary studies comprising of two Minors (4 unit set each) chosen from:

- Computational and Simulation Science
- Data Mining and Artificial Intelligence
- Information Systems
- Optimisation and Stochastic Modelling
- Advanced Computing for Data Science

International Course structure

Your QUT Bachelor of Data Science degree consists of 288 credit points (24 units) arranged as follows:

- (a) 192 credit points (16 units) of Core discipline units; and

(b) 96 credit points of complementary studies comprising of two Minors (4 unit set each) chosen from:

- Computational and Simulation Science
- Data Mining and Artificial Intelligence
- Information Systems
- Optimisation and Stochastic Modelling
- Advanced Computing for Data Science

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

Code	Title
Year 1, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
MXB101	Probability and Stochastic Modelling 1
MXB100	Introductory Calculus and Algebra
OR	
MXB105	Calculus and Differential Equations
Year 1, Semester 2	
CAB201	Programming Principles
DSB100	Fundamentals of Data Science
IAB206	Modern Data Management
MXB107	Introduction to Statistical Modelling
Year 2, Semester 1	
MXB242	Regression and Design
MXB262	Visualising Data
CAB301	Algorithms and Complexity
Minor Unit	
Year 2, Semester 2	
CAB330	Data and Web Analytics
OR	
IAB303	Data Analytics for Business Insight
Minor Unit	
Minor Unit	
Minor Unit	
Year 3, Semester 1	
CAB420	Machine Learning
MXB344	Generalised Linear Models
Minor Unit	

Bachelor of Data Science

Minor Unit	
Year 3, Semester 2	
DSB300	Data Science Capstone Project
MXB362	Advanced Visualisation and Data Science
Minor Unit	
Minor Unit	

Year	2021
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly

Domestic Entry requirements

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This degree equips you to build and apply creative, innovative IT solutions across diverse industries. A hands-on, real world based curriculum gives you the opportunity to explore a wide range of areas within IT, and gain deep understanding within your chosen area specialty, such as networking, software development, data warehousing, business processes, information management, web technologies, or digital societies. You experience an innovative, hands-on approach to learning through projects where you develop IT systems. You will be able to gain entrepreneurial skills if you wish to learn how to develop an idea into a commercial opportunity. You learn to harness your creativity and people skills to maximise the impact of your technical know-how relative to the IT marketplace. It positions you for a challenging and rewarding career within the global economy.

Course Design

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 120 credit points (10 units) of Major Core units
- 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Majors

Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Options List

The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Complementary Studies

Students may elect to undertake a Second Major (8 unit set), or two Minors (4 unit set each), or one Minor (4 unit set) plus 4 elective units.

Second Major:

A choice of one second major from:

- Technology Innovation and Design
- Computational and Simulation Science

Minors:

A choice of two minors from either Faculty or University Wide Options.

Professional Recognition

Professional recognition can be found in the individual majors of the Bachelor of Information Technology (IN01).

Pathways for Further Study

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in these disciplines with an additional honours year in [\(IN10\) Bachelor of Information Technology \(Honours\)](#).

Year	2021
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly
Discipline Coordinator	Dr Wayne Kelly +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Computer science is the scientific and practical approach to computer-based system design, development and operation. Its subfields range from the fundamental principles of computation through to tools and techniques for IT system development and evaluation. It includes identifying and solving systems design issues associated with achieving critical properties such as correctness, efficiency, robustness, usability and security. Its application extends into

specialised areas including mobile computing, artificial intelligence, robotics, and large-scale information management involving information retrieval and web search engines.

Career Outcomes

Computer Science graduates will:

- be experienced in the principles and practice of software development;
- be familiar with the principles and operation of networked systems; and
- have a sound understanding of the shared foundations underlying all modern computer-based technologies.

In addition, depending on their choice of optional study areas, they will have the opportunity to gain specific expertise in Information Security, Networks and Communications, Intelligent Systems, Data-Centric Computing, or Human-Computer Interaction.

Course Design

Your QUT Bachelor of Information Technology (Computer Science) degree consists of 288 credit points (24 units) arranged as follows:

- 72 credit points (6 units) of Computer Science Core units, which includes 2 units from a selected options list.
- 120 credit points (10 units) of Computer Science discipline units
- 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Computer Science Core Units

These units will engage you in understanding Computer Science from a practical approach with an understanding of a range of disciplinary and multidisciplinary perspectives. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning to apply this knowledge in practical systems development projects.

Computer Science Major Discipline Units

These units give you discipline level knowledge, skills and application competencies from introductory through intermediate, culminating with advanced graduate level units. They focus on

Bachelor of Information Technology (Computer Science)

developing your knowledge, practice and higher order thinking to an advanced level.

Complementary Studies Options

Second Major:

A choice of one second major from:

- Technology Innovation and Design Second Major
- Computational and Simulation Science Second Major

Minors:

A choice of two minors from the lists below:

- Business Process Management Minor
- Data-Centric Computing Extension Minor
- Information Systems Minor
- Enterprise Systems Minor
- Human-Computer Interaction Minor
- Intelligent Systems Minor
- Mobile Applications Minor
- Networks and Security Minor
- Social Technology Minor
- Software Development for IS and Games Minor
- Technology Innovation Minor
- [University Wide Minors](#)

Professional membership

Graduates are eligible for membership of the ACS (Australian Computer Society)

Domestic Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

**Unit options list - comprises a range of units from which you choose to undertake two units. You are able to undertake the option unit in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.*

International Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

**Unit options list - comprises a range of units from which you choose to undertake two units. You are able to undertake the option unit in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.*

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [SELECT MAJOR](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Note:](#)

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB105	Database Management
IFB104	Building IT Systems
SELECT MAJOR	
Students should select their major prior to enrolling in their Core Option Units	
Year 1, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Core Unit Option	
Core Unit Option	
Year 2, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
CAB303	Networks
IFB295	IT Project Management

2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
2nd Major/Minor unit	
2nd Major/Minor unit OR	
CS Major Elective choice from:	
CAB402	Programming Paradigms
CAB420	Machine Learning
Year 3, Semester 2	
IFB399	Capstone Project (Phase 2)
2nd Major/Minor unit	
2nd Major/Minor unit	
2nd Major/Minor unit OR	
CS Major Elective choice from:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
Note:	
12 credit points (1 unit) to be selected from the CS Major Elective Unit Option list	

Year	2021
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly
Discipline Coordinator	Dr Erwin Fieft +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)

Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Information systems focuses on identifying organisational requirements for applications and acquiring effective systems solutions, whether custom designed and built or selected and implemented, to meet the requirements. Skills involve the design and development of large database applications for business, as well as the purchase and implementation of packaged software addressing business problems. It does not require in-depth knowledge of computer programming but rather in-

depth specialised knowledge of databases and software used in business or of the means to analyse business needs and, in partnership with the systems users, design solutions to the inefficiencies or ineffectiveness of business processes.

Career Outcomes

Information Systems graduates will have skills in design, systems thinking, stakeholder engagement and modelling and abstraction which position them to work as Business Analysts, IS Consultants, solving a range of organisational problems. In addition, depending on their choice of optional study areas, they will have the opportunity to gain specific expertise in Business Process Management, Social Media, Mobile Application Development or Services & Solutions undertaken through complementary minors. Specific skills in Service and Outcomes Management can be gained in the complementary minor called Service and Outcomes Management, which positions graduates for IT management roles within organisations. Finally, further knowledge of and skills in design and innovation can be gained in the secondary major of Systems Innovation, which will lead to careers as IT innovators within enterprises, consulting companies or in their own start-ups.

Course Design

Your QUT Bachelor of Information Technology (Information Systems) degree consists of 288 credit points (24 units) arranged as follows:

- 72 credit points (6 units) of Information Systems Core units, which includes 2 units from a selected options list.
- 120 credit points (10 units) of Information Systems discipline units.
- 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Information Systems Core Units

These units will engage you in understanding Information Systems from a range of disciplinary and multidisciplinary perspectives, expose you to the various outcomes available for pursuing studies in this field and introduce the fundamental basis for policy and

Bachelor of Information Technology (Information Systems)

practice. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning in collaborative environments.

Information Systems Major Discipline Units

These units give you discipline level knowledge, skills and application competencies from introductory through intermediate, culminating with advanced graduate level units. They focus on developing your knowledge, practice and higher order thinking to an advanced level.

Complementary Studies Options

Second Major:

A choice of one second major from:

- Technology Innovation and Design Second Major
- Computational and Simulation Science Second Major

Minors:

A choice of two minors from the lists below:

- Business Process Management Minor
- Computer Science Minor
- Enterprise Systems Minor
- Human-Computer Interaction Minor
- Information Systems
- *Intelligent Systems Minor
- Mobile Applications Minor
- Networks and Security Minor
- Social Technology Minor
- Software Development for IS and Games Minor
- Technology Innovation Minor
- [University Wide Minors](#)

Professional Recognition

Graduates are eligible for membership of the ACS (Australian Computer Society)

Domestic Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective

units.

**Unit options list - comprises a range of units from which you choose to undertake one unit. You are able to undertake this option in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.*

International Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

**Unit options list - comprises a range of units from which you choose to undertake one unit. You are able to undertake this option in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.*

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [SELECT MAJOR](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Note:](#)

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
SELECT MAJOR	
Students should select their major prior to enrolling in their Core Option Units	
Year 1, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Core Unit Option	
Core Unit Option	
Year 2, Semester 1	

IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
IFB295	IT Project Management
IAB305	Information Systems Lifecycle Management
2nd Major/Minor unit	
2nd Major/Minor unit OR	
IS Major Elective choice from:	
IAB206	Modern Data Management
IAB320	Business Process Improvement
IAB303	Data Analytics for Business Insight
Year 3, Semester 1	
IFB398	Capstone Project (Phase 1)
2nd Major/Minor unit	
2nd Major/Minor unit	
2nd Major/Minor unit OR	
IS Major Elective choice from:	
IAB260	Social Technologies
IAB402	Information Systems Consulting
IAB321	Business Process Technologies
Year 3, Semester 2	
IFB399	Capstone Project (Phase 2)
IAB401	Enterprise Architecture
2nd Major/Minor unit	
2nd Major/Minor unit	
Note:	
12 credit points (1 unit) to be selected from the IS Major Elective Unit Option list	

Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	Sorin Oancea +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose*

for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.*

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 1, Semester 2	
KNB127	CGI Foundations
KNB136	Visual Storytelling: Production Design
	Core Unit Option unit
	Core Unit Option unit
Year 2 Semester 1	
IGB100	Game Studio 1: Mini-Game Development
KNB137	Digital Worlds
	Complementary Studies Unit
	Complementary Studies Unit
Year 2, Semester 2	

Bachelor of Games and Interactive Environments (Animation)

IGB200	Game Studio 2: Applied Game Development
KNB135	Animation Aesthetics
Complementary Studies Unit	
Complementary Studies Unit	
Year 3, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 is replaced by IFB398 from 2021]	
KNB217	Digital Creatures
Complementary Studies Unit	
Complementary Studies Unit	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 3, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 is replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Complementary Studies Unit	
Complementary Studies Unit	
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	

Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose*

for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.*

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 1, Semester 2	
DXB205	Interactive Narrative Design
IGB220	Fundamentals of Game Design
Core Unit Option unit	
Core Unit Option unit	
Year 2, Semester 1	
DXB211	Creative Coding
IGB100	Game Studio 1: Mini-Game Development
Complementary Studies Unit	
Complementary Studies Unit	
Year 2, Semester 2	

Bachelor of Games and Interactive Environments (Game Design)

IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design
[CAB210 People Context and Technology is replaced by IGB321 from 2021]	
Complementary Studies Unit	
Complementary Studies Unit	
Year 3, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 is replaced by IFB398 from 2021]	
IGB388	Design and Development of Immersive Environments
[IGB320 is replaced by IGB388 from 2021]	
Complementary Studies Unit	
Complementary Studies Unit	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 3, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 is replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Complementary Studies Unit	
Complementary Studies Unit	
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	

Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose*

for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies, or explore which areas you may choose for your complementary studies.*

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 1, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
	Core Unit Option unit
	Core Unit Option unit
Year 2, Semester 1	
CAB301	Algorithms and Complexity
IGB100	Game Studio 1: Mini-Game Development
	Complementary Studies Unit
	Complementary Studies Unit
Year 2, Semester 2	

Bachelor of Games and Interactive Environments (Software Technologies)

IGB200	Game Studio 2: Applied Game Development
Complementary Studies Unit	
Complementary Studies Unit	
Complementary Studies Unit	
Year 3, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 is replaced by IFB398 from 2021]	
IGB383	AI for Games
IGB388	Design and Development of Immersive Environments
IGB381 is no longer offered. IGB381 was temporarily replaced by IFN692 in semester 2 2020. From S1 2021 onwards, IGB381 is replaced by IGB388.	
Complementary Studies Unit	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 3, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 is replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Complementary Studies Unit	
Complementary Studies Unit	
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	

Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

The Bachelor of Mathematics course provides a modern and rigorous training in mathematics to prepare students both for graduate careers in industry and government as well as for honours and postgraduate research work. This course provides students with a mathematics degree that clearly defines paths of study associated with different graduate outcomes in order to meet the wide range of employment possibilities open to mathematics graduates. As well as this, it maintains for students the option to complete a degree that is heavily mathematical through the inclusion of second major and minor options in mathematics and statistics.

The course combines underlying theory with modelling, computational skills and the latest computer technology to enable students to solve real-world problems and prepare them for their future career. Skill development in communication, problem solving, critical thinking and teamwork form an integral part of this course.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

(a) 72 credit points (6 units) of Core units, which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units, comprising from a choice of one (1) Major in either:

- Applied and Computational Mathematics;
- Decision Science; or
- Statistical Science.

(c)

Professional Recognition

Professional recognition can be found in the individual majors of the Bachelor of Mathematics (MS01).

Pathways to Further Study

The QUT Bachelor of Mathematics is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in ([MS10](#)) [Bachelor of Mathematics \(Honours\)](#).

Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	89.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	Dr Pascal Buenzli +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Applied and Computational Mathematics major provides high quality learning for students who want to combine their studies in mathematics with considerable involvement in real-world applications and computational simulations. The major introduces you to a wide range of concepts in mathematical foundations, modelling and computational methods, and provides strong links between theory and application. You will investigate underlying mathematical theory to see how it can be applied to real-world scenarios from many fields of study including the physical and chemical sciences, biology, engineering and the social sciences. You will also develop computational solution and simulation methods to couple with modelling skills in order to investigate large-scale applied problems.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

(a) 72 credit points (6 units) of Core units, which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core Option Units List

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major upfront.

Complementary Studies

Applied and Computational Mathematics Major students may elect to undertake a Second Major (8 unit set) or two Minors (4 unit set each)

Second Major:

A choice of one second major from:

- Decision Science
- Statistical Science
- Computational and Simulation Science

-
- Accountancy
-
- Applied Economics and Finance
-
- Logistics Management
-
- Biological Sciences
-
- Chemistry
-
- Earth Science
-
- Environmental Science
-
- Physics

Minors:

- Decision Science
-
- Statistical Science
-
- Discrete Mathematics
-
- Computational and Simulation Science
-
- Biological Sciences
-
- Chemistry
-
- Earth Science
-
- Environmental Science
-
- Physics
-
- International exchange
-
- [University Wide Minors](#)

Career Outcomes

As a graduate of the Bachelor of Mathematics (Applied and Computational Mathematics) you will find employment opportunities across a wide range of areas, such as finance, investment, information technology, environmental management, health, marketing, logistics, defence, medicine, education and research. In addition to your knowledge and abilities in mathematics, you will also be highly valued for your analytical and problem-solving skills.

Professional Recognition

Graduates are eligible for membership in the Australian Mathematical Society (AMS), and ANZIAM.

Domestic Course structure

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, including 12 credit points (1 unit) of core option selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

***Note: Students who haven't completed Specialist Mathematics (Maths C) in high school must select MXB100 as at Core Option in semester 1.

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge

and expertise in an area to complement your major. You may choose a second major in decision science, statistical science, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

International Course structure

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, including 12 credit points (1 unit) of core option selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

***Note: Students who haven't completed Specialist Mathematics (Maths C) in high school must select MXB100 as at Core Option in semester 1.

Bachelor of Mathematics (Applied and Computational Mathematics)

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in decision science, statistical science, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange

international exchange.

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [NOTE:](#)

Code	Title
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB161	Computational Explorations
Please note: Students who haven't taken Specialist mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161.	
Year 1, Semester 2	
MXB103	Introductory Computational Mathematics
MXB105	Calculus and Differential Equations
MXB107	Introduction to Statistical Modelling

Core Unit Option*	
Year 2, Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics
2nd Major/Minor unit	
2nd Major/Minor unit	
NOTE:	
*Core Unit Options may be taken in any semester - depending on choice of Options/ 2nd Major/ Minors	

Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	89.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	Dr Paul Wu +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Decision science is a mathematical discipline that considers how to make appropriate and better decisions in complex decision-making problems. It deals with how best to design, operate and/or predict behaviour of complex systems like people, machinery, materials and money in industry, business, finance, education, government and defence. The Decision Science major encompasses the study of quantitative techniques relevant to decision-making in its broadest sense. You will employ a problem-solving approach, using advanced analytical methods such as operations research, financial mathematics, stochastic and mathematical modelling, and mathematical optimisation. Along the way you will also use a variety of software and improve your information technology skills. Because of its emphasis on human-technology interaction and its focus on practical applications, Decision Science overlaps with other disciplines, notably industrial engineering and operations management, economics and finance. This is a multi-disciplinary field.

The coursework also introduces you to different industries and processes that greatly contribute to the economy and environment of nations around the world. These include manufacturing and production, management, health care, finance and economics, goods and services, infrastructure, transportation and logistics, mining, defence, etc. This study area provides a foundation for a variety of careers, and further study.

There is a strong emphasis on:

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [NOTE:](#)

Code	Title
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB161	Computational Explorations
*** Please note: Students who haven't taken Specialist mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.	
Year 1, Semester 2	
MXB103	Introductory Computational Mathematics
MXB105	Calculus and Differential Equations
MXB107	Introduction to Statistical Modelling
Core Unit Option*	
Year 2, Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
MXB332	Optimisation Modelling

Bachelor of Mathematics (Operations Research)

MXB341	Statistical Inference
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research
2nd Major/Minor unit	
2nd Major/Minor unit	
NOTE:	
*Core Unit Options may be taken in any semester - depending on choice of Options/ 2nd Major/ Minors	

Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	89.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	Dr Paul Wu +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Statistical Science major will provide you with the methodology for analysing data using empirical, theoretical and computational tools. You will discover complex statistical techniques and concepts through applications and datasets from the real world, providing strong links between theory and application. Many of our academics are world leaders in research and have strong industry ties that ensure the relevance of teaching material and high-quality learning experiences. The major will provide you with a fundamental and thorough understanding of statistics and statistical methodology, and the ability to apply such quantitative skills in real-world scenarios. Thus we aim to prepare you for a career in industry, government and/or research.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

(a) 72 credit points (6 units) of Core units,

which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core Option Units List

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major upfront.

Complementary Studies

Statistical Science Major students may elect to undertake a Second Major (8 unit set) or two Minors (4 unit set each)

Second Major:

A choice of one second major from:

- Applied and Computational Mathematics
- Decision Science
- Accountancy
- Applied Economics and Finance

-
- Logistics Management
-
- Biological Sciences
-
- Chemistry
-
- Earth Science
-
- Environmental Science
-
- Physics

Minors:

- Applied and Computational Mathematics
-
- Decision Science
-
- Discrete Mathematics
-
- Computational and Simulation Science
-
- Biological Sciences
-
- Chemistry
-
- Earth Science
-
- Environmental Science
-
- Physics
-
- International exchange
-
- [University Wide Minors](#)

Career Outcomes

Career outcomes for graduates of the Bachelor of Mathematics (Statistical Science) include data analyst, quantitative analyst, researcher, risk analyst, and statistician. Positions of this nature are often found with employers such as the Australian Bureau of Statistics, Queensland Treasury, state and Commonwealth governments, financial institutions, CSIRO, insurance companies, medical companies.

Professional Recognition

Graduates are eligible for membership in the Statistical Society of Australia

Domestic Course structure

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, which include a core option units selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

*** Please note: Students who haven't taken Specialist mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in applied and computational mathematics, operations research, computational and simulation

science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

International Course structure

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, which include a core option units selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core Option Units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

*** Please note: Students who haven't taken Specialist mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you

Bachelor of Mathematics (Statistics)

for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second Major or Minors

You may choose to undertake a second major: an 8 unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in applied and computational mathematics, operations research, statistics, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: 4 unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [NOTE:](#)

Code	Title
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB161	Computational Explorations
Please note: Students who haven't taken Specialist mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.	
Year 1, Semester 2	
MXB103	Introductory Computational Mathematics
MXB105	Calculus and Differential Equations
MXB107	Introduction to Statistical Modelling
Core Unit Option*	
Year 2, Semester 1	
MXB201	Advanced Linear Algebra

MXB242	Regression and Design
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics
2nd Major/Minor unit	
2nd Major/Minor unit	
NOTE:	
*Core Unit Options may be taken in any semester - depending on choice of Options/ 2nd Major/ Minors	

Year	2021
QUT code	MV01
CRICOS	103172A
Duration (full-time)	4 years
ATAR/Selection rank	91.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$4,400 per year full-time (105 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

Bachelor of Mathematics/Master of Teaching (Secondary)

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Summer](#)
- [Maths options *](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB105	Calculus and Differential Equations
Year 1, Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
MXB161	Computational Explorations
MXB241	Probability and Stochastic Modelling 2
Summer	
Maths Optional unit *	
Maths options *	
Select one unit (12 credit points) from the list below.	
MXB100	Introductory Calculus and Algebra
(Note: Students who haven't completed Maths C/Specialist Mathematics MUST select MXB100)	
MXB261	Modelling and Simulation Science
MXB262	Visualising Data
SEB104	Grand Challenges in Science
Year 2, Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
or	
MXB242	Regression and Design
MXB232	Introduction to Operations Research
IFB104	Building IT Systems
Year 2, Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
MXB334	Operations Research for

	Stochastic Processes
CAB201	Programming Principles
Year 2, Summer (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
MXB322	Partial Differential Equations
OR	
MXB332	Optimisation Modelling
MXB326	Computational Methods 2
OR	
MXB341	Statistical Inference
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and	

requires a blue card. Must be taken in your final semester of study.

EUN240	Teachers Researching Practice
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Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.

MXN600	Advanced Statistical Data Analysis
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Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson

Domestic Entry requirements International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Rules

1. To fulfil the requirements for the award of the Bachelor of Science degree, you must complete a total of at least 288 credit points, comprising at least 192 credit points of science units. The units completed for the award of the degree must include:

- (a) the first year program as outlined in the course summary
- (b) a major study
- (c) a second major study or two minor areas of study

Major and second major studies are defined in terms of the discipline area and the academic level at which the units are offered.

Major

A major must be completed in one of the following discipline areas: biological sciences; chemistry; earth science; environmental science; physics. A major comprises 120 credit points of units at advanced level, including at least 48 credit points at the third level.

Second Major

A second major may be completed by selecting appropriate units from another major, or from the following additional discipline areas: Human Biomolecular Science, Innovation and Entrepreneurship, Policy & Governance, Sustainable Environments for Health, Computational Science, Science Communication.

Minors and Extension Minors

Minors and Extension Minors are offered in the following disciplines:

Analytical Chemistry, Astrophysics, Cell and Molecular Biology, Human Health and Disease, Industrial Chemistry, Sustainable Environments for Health, Wildlife Biology, Marine Science, Plant Biotechnology, Genetics and Genomics, Forensic Science, Applied Ecology.

Non-Science: corporate IT systems, environmental engineering studies, ethics and human rights, foreign languages, games technology, management, marketing, music, nutrition, psychology etc.

Note: A second major comprises 96 credit points with at least 60 credit points at advanced level for the Science second majors and at least 48 credit points for the non-Science second majors. Major and second major studies may be taken in closely related discipline areas.

2. Optional (elective) units may be chosen from (a) ST01 majors/second majors other than those undertaken by a student, (b) other appropriate units offered by the Science and Engineering Faculty, and (c) units offered by other faculties.

3. Students are normally expected to complete the course in minimum time. A full-time student normally enrolls in an average of 48 credit points per semester for six semesters and a part-time student normally enrolls in 24 credit points per semester for 12 semesters. (A full-time student is one who is enrolled in 36 or more credit points per semester, whereas a part-time student is one who is enrolled in less than 36 credit points per semester.)

Notes on the Rules

1. For offerings in the Science and Engineering Faculty, the term advanced level refers to units in Schedules 2 and 3. For units offered outside the Science and Engineering Faculty, the term advanced level refers to units for which there is at least one prerequisite unit.

2. Level 2 and level 3 units are listed in Schedules 2 and 3 respectively according to their unit codes. For each unit, the major(s) and/or second major(s) in which the unit is offered are shown. It should be noted that not every advanced level unit offered in each major/second major is mandatory.

3. The major undertaken by a student will qualify the generic award title of BSc and will appear in the award title in parentheses. The general form of the award will therefore be: BSc(Major).

Domestic Course structure Your science degree

At QUT you'll create your own personal science degree program of 24 units. During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science the opportunity to learn by enquiry, and to broaden your understanding of the core sciences. You'll study four Faculty core units and an Optional unit of your choice.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study.

It comprises 11 units and there are five majors to choose from:

- biological sciences
- chemistry
- earth sciences
- environmental sciences
- physics.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a

wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a Second major (eight units); or an Extended minor (four units) or Breadth minor (four units), plus either a Faculty minor (four units) or Breadth minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second Science discipline, or explore different perspectives which might include:

- computational science
- innovation
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major two minors.

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Marion Bateson and Associate Professor Matthew Phillips +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one of the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

- [Diploma of Laboratory Technology](#)

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Biology is the study of life and living things: animals, insects, plants, and microorganisms; everything that breathes, grows and feeds us; creatures that fly through the air majestically and those that lurk in the depths of the ocean, under rocks, or even under the toilet seat.

Biologists are curious about all these things and want to know how they work, how to grow and protect them—how to get involved with life on this planet.

Biologists also love a challenge. How will we feed a population of eight billion people in 2025? Can we use biological waste to solve our energy crisis? How can we protect our plants and animals from new and fiendish exotic diseases? And how many rare species can we save from extinction?

Why choose this course?

This course will provide a strong foundation in the core biological sciences such as physiology, genetics, zoology, plant sciences and microbiology. It has been designed to be hands on, to develop problem solving skills through active learning, and to give an early appreciation

Bachelor of Science (Biological Sciences)

of the way that many disciplines can be brought to bear on a single problem.

As well as receiving core training in the basics through the biology major, students can either add breadth to their degree by choosing a minor from a complementary discipline (e.g. chemistry), or depth to their biological skills through a specialised minor such as biotechnology.

During the course you will experience some of the most advanced laboratories in Australia and be taught by staff who are at the top of their research fields internationally. You can also expect to stay in touch with the real world, as guest lectures, site visits and opportunities for work-integrated learning bring a strong industry flavour to the degree.

Career outcomes

Biology graduates work in a wide range of jobs throughout the public and private sectors, and in a range of environments including offices, laboratories, farms, fields, factories cities and forests.

Laboratory-based careers may include laboratory management, basic research, forensic microbiology, or molecular genetics. Farm and field-based work could entail animal management, plant breeding, entomology, marine biology, or pest and disease management. Industrial work might involve biotechnology to produce food, fuel or pharmaceuticals. Other careers could involve science writing, teaching, policy development, or the commercialisation and the management of biological products and processes.

Professional recognition

Professional recognition can be achieved through membership of an appropriate scientific society, such as the Australian Society for Biochemistry and Molecular Biology, the Ecological Society of Australia, the Australian Society of Horticultural Science and many more.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or two minors (four units each).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (chemistry, earth science, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or

- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major two minors.

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Biological Sciences Major Unit Options](#)

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Core Unit Option	
Biological Sciences Major Unit Option	
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
BVB313	Population Genetics and Molecular Ecology
BVB304	Integrative Biology
2nd major or minor unit	
2nd major or minor unit	
Biological Sciences Major Unit Options	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
ERB101	Earth Systems

Bachelor of Science (Biological Sciences)

ERB102	Evolving Earth
EVB102	Ecosystems and the Environment
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Associate Professor Tim Dargaville +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one of the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

- [Diploma of Laboratory Technology](#)

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Chemists are involved in most areas of science, technology, environment and industry; for example, medicinal drugs, nanotechnology, water and air quality and energy production. Manufacturing industries rely on chemists to ensure that quality and safety standards are maintained. The development of better and safer drugs depends heavily on the input of chemists.

Chemistry is the study of structures, properties, synthesis and reactions of molecules and materials and these principles are fundamental to many other disciplines, including biotechnology, environmental science, geosciences, materials science and food science.

At QUT you will study analytical, physical, organic and inorganic chemistry with an additional focus on modern applications such as nanotechnology, analytical chemistry, and spectroscopy.

Why choose this course?

The QUT chemistry degree is a qualification that is known and respected by employers. Many employers prefer QUT chemistry graduates, especially

those with an extension minor in chemistry, because of their advanced technical skills, their experience with modern instrumentation and their training in scientific communication.

After two years' study, you will be eligible to apply for the Queensland Health Analytical Chemistry Scholarship (available only to QUT chemistry students), which pays \$21 000 for your third year, with guaranteed employment for two years after graduation#.

Our training in analytical chemistry throughout the chemistry degree is renowned nationally. You will undertake a comprehensive laboratory program including experiments using modern computer-based analytical instruments and gain vital knowledge and experience in the health and safety aspects of handling chemicals. You will learn under the guidance of highly respected lecturers, most of whom are actively involved in cutting-edge research.

Career outcomes

Among a diverse range of employment opportunities, you may become an industrial chemist, materials scientist, environmental chemist, quality control analyst, laboratory supervisor, food chemist, or an organic/inorganic chemist. Your interaction with QUT experts in current fields of interest, including drug development, clay and minerals chemistry, renewable energy sources, nanotechnology, environmental monitoring, and applications of modern analytical instrumentation, may lead to careers in these areas.

QUT graduates are sought after by police and other forensics laboratories because of their extensive practical training using modern analytical instrumentation. With the addition of a postgraduate diploma in education, you may wish to pursue opportunities in the teaching profession.

Professional recognition

Graduates completing the chemistry major with the chemistry for industry second major are eligible for membership of the Royal Australian Chemical Institute.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give

you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units. From 2018 MXB100 Introductory Calculus and Algebra will also be part of your major.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or a minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry,

environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors.

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
MXB100	Introductory Calculus and Algebra
Core Unit Option	
Year 2, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
2nd major or minor unit	
2nd major or minor unit	

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Luke Nothdurft +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one of the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

- [Diploma of Laboratory Technology](#)

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Earth is an amazing place and for an earth scientist, it offers a unique natural laboratory that covers both space and time. Earth science is a multidisciplinary science that applies the tools of chemistry, physics, biology and mathematics to understand earth processes, decipher its past and predict its future. Earth scientists work to monitor changes in the Earth's environment and suggest solutions to environmental problems. They study natural hazards to find ways to lessen the loss of life and reduce property damage.

Earth scientists play key roles in the search for fuels and minerals. Climate change, earthquakes, and geothermal energy are just a few of the issues that require knowledge of earth science. Earth science (also known as geoscience) blends the traditional fields of geology, physical geography and oceanography/hydrology. Geology describes the rocky parts of the Earth's crust (or lithosphere) and its historic development. Physical geography, which studies the Earth's surface, includes geomorphology, soil science, and biogeoscience. The marine and freshwater parts of Earth define the

Bachelor of Science (Earth Science)

fields of oceanography and hydrology.

Why choose this course?

Earth science is an exciting and fun science with many interesting and practical applications and a great number of travelling opportunities. If you enjoy working outdoors and are interested in understanding how the world works, then you will find earth science a rewarding area of study. Blending current research issues and problem solving with theory and industry-related, hands-on practicals, the earth science major provides you with a fundamental background to pursue a career in either the resource or the environmental sector.

Career outcomes

There is currently a shortage of earth scientists in Australia and employment rates are high and salaries great. Earth scientists are in high demand in the energy sector (oil, gas, coal, geothermal) and exploration and mining industries. Many earth scientists find employment in environmental consulting companies tackling geotechnical, groundwater contamination, natural hazards or climate change issues. Earth scientists may work for government agencies such as CSIRO and Geoscience Australia doing applied research, or for state or local governments.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the

range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Your major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or a minor.

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Earth Science Major Unit Options](#)

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Core Unit Option	
Earth Science Major Unit Option	
Year 2, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
ERB302	Applied Geophysics
ERB301	Chemical Earth
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
2nd major or minor unit	
2nd major or minor unit	
Earth Science Major Unit Options	
BVB101	Foundations of Biology
BVB102	Evolution
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
EVB102	Ecosystems and the Environment
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Andrew Baker +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one of the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

- [Diploma of Laboratory Technology](#)

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Why choose this course?

The environmental science course at QUT is designed to provide hands-on skills and field experiences using real-world industry examples and methods to allow you to pursue a variety of careers as an environmental scientist. The program has particular strengths in the areas of land resources, hydrogeology, environmental geology, biogeochemistry, geographic information systems and field mapping, systems modelling and sustainable management.

The program also emphasises practical skills and experience, including day-long and extended field trips. You will learn from guest lecturers from relevant government agencies, industry and QUT staff who regularly provide advice for industry, government and community groups.

Overview

We rely on our natural environment to sustain our lives and our lifestyles. Do you want to help the earth's natural environment to maintain its integrity while continuing our urban and rural development? Have you wanted to be part of the solution to our increasing

Bachelor of Science (Environmental Science)

environmental issues such as climate change, air, water and soil quality, soil erosion, dry land salinity or water resources? We continually need to improve our understanding and management of the natural environment to balance our development with wise management while minimising impacts and degradation.

An understanding of the mechanisms controlling environmental systems provides the skills required to undertake a great range of scientific environmental planning and management, and tackle problems such as local water quality and ecosystem impacts, soil erosion, catchment and groundwater use, or adaptation to global climate change.

Career outcomes

Environmental scientists are continually needed in a wide variety of planning, management, monitoring and research careers. These roles are usually found in government departments and agencies, local councils, consultancy, and industrial and mining companies. As an environmental science graduate, you could be working in urban, rural or remote settings depending on your interests.

Graduates are equipped to assess resources, implement environmental impact programs, analyse and interpret environmental data and formulate contingency plans in a wide variety of areas. These include strategic land use planning; waste disposal; pollution measurement and control; coastal protection; environmental impact of mining, tourism and urban development; rehabilitation and reforestation of degraded sites; ground water assessment and modelling; flood plain planning; erosion control; and marine science.

Professional recognition

Graduates are eligible for membership of the Environment Institute of Australia and New Zealand and a variety of other scientific societies, including the Soil Science Society of Australia and the Ecological Society of Australia.

Domestic Course structure

Your science degree

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These six units give you an introduction to the principles of science. The inquiry based experimental science units will give

you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 10 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or an extended minor (four units) or breadth minor (four units), plus either a faculty minor (four units) or breadth minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline

(biological sciences, chemistry, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors. Minors include:

Extension minor (four units)

Gain further insights and depth in your primary area of study. Intensify your chosen major to develop additional knowledge, skills and experience for your career in science.

Breadth minor (four units)

Broaden your studies to include minors from the list of science majors, second majors or from the list of university-wide minors.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Environmental Science Major Unit Options](#)

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Core Unit Option	
Environmental Science Major Unit Option	
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	

Bachelor of Science (Environmental Science)

BVB204	Ecology
EVB302	Environmental Pollution
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
2nd major or minor unit	
2nd major or minor unit	
Environmental Science Major Unit Options	
BVB101	Foundations of Biology
BVB102	Evolution
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
ERB102	Evolving Earth
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Konstantin Momot +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one of the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

- [Diploma of Laboratory Technology](#)

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Physicists are involved in finding solutions to many current and future challenges facing our world. These include developing instruments for environmental monitoring, computer models for climate change prediction, and developing solar and renewable energy systems. Physicists are also attempting to address the world's ever-increasing appetite for information and information processing by undertaking research into quantum computers, nanotechnology, lasers and photonics.

Physics deals with the natural laws and processes, and the states and properties, of matter, energy, space and time. Physics also underlies many of the recent advances in information technology, medicine and biotechnology. Areas of specialisation include mechanics, electromagnetism, lasers and optics, medical physics, computational physics, nuclear and radiation physics, astronomy and astrophysics, thermodynamics, quantum mechanics and relativity.

Why choose this course?

QUT's physics course has a strong applied emphasis so you will spend a

Bachelor of Science (Physics)

significant amount of time in the undergraduate teaching laboratories. In each unit that you study the theory will be supported by experimental work. In your final year, you will undertake research and gain exposure to the research laboratories through the experimental physics unit.

You can also apply for a Vacation Research Experience Scholarship to gain experience working on a research project. Many of the lecturers at QUT have worked in industry and QUT works closely with industry through consultancy and research projects, so you can be sure that the course will be up to date and relevant to the real world.

Career outcomes

Physicists are an asset to almost any industry. Employment areas of QUT physics graduates are very wide ranging. These include research and development departments of large manufacturing companies, mining and exploration companies, research institutions such as the Commonwealth Scientific and Industrial Research Organisation and the Defence Science and Technology Organisation, government bodies such as the Bureau of Meteorology, environmental protection agencies and health departments, schools, universities and hospitals.

Broad training in data analysis and problem-solving skills also makes physicists well suited to management and consulting roles in a range of technology based industries.

Professional recognition

Graduates are eligible for membership of the Australian Institute of Physics, dependent on choice of study options.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the

trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or a minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to

your chosen science major with two minors. Minors include:

- Astrophysics
- Nanotechnology

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Core Unit Option	
Year 2, Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
2nd major or minor unit	
2nd major or minor unit	

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	Associate Professor Peter Prentis

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Biology (Units 3 & 4, B); *and*
- completion of Year 12 or attained age 18 years.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science, Physics, or Psychology (Units 3 & 4, C)
- Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5

Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Biology (Units 3 & 4, B); *and*
- You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank](#)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Biology (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complimentary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

- Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complimentary studies (2 minors).

Bachelor of Science Advanced (Honours) (Biological Sciences)

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

- Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

Sample Structure

The Biological Sciences major in the Bachelor of Science Advanced (Honours) is structured to provide high-achieving students with a strong applied knowledge of biology, building on foundational knowledge obtained in high school. The major will extend understanding of the structure, function and diversity of living things, from cells to whole organisms, including key areas of plant and animal biology and microbiology and the interaction with each other and the environment. The Biological Sciences major is complemented and extended with a minor in either Biotechnology & Genetics or Wildlife Ecology or a minor specifically tailored to future research goals. Students will study units in their first semester which help them identify which area they wish to pursue. By integrating theory and practice and with a strong focus on experimental design, students will learn to apply key biological principles to important areas such as conservation, food security and biotechnology that will lead to research opportunities third and fourth year research units. All students in the major will have the opportunity to participate in research-based activities in these or other key areas of biology through the ST20 core units and through extracurricular activities. Graduates of the Biological Science major will be skilled at the desk, in the laboratory and in the field with strong skills in one of the areas closely aligned to research. They will have advanced research skills and critical thinking ability needed to tackle real-world problems in biology and undertake cutting edge research. These attributes will support high-achieving students in post-graduate study and a research career.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
MXB100	Introductory Calculus and Algebra
BVB317	Principles of Genomics and Biotechnology
or	
BVB214	Vertebrate Life
Biology Minor Unit 1	
Year 1, Semester 2	
BVB201	Biological Processes
MXB107	Introduction to Statistical Modelling
STB100	Research Skills and Techniques
Biology Minor Unit 2	
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB203	Plant Biology
BVB301	Animal Biology
Biology Minor Unit 3	
Year 2, Semester 2	
BVB204	Ecology
BVB313	Population Genetics and Molecular Ecology
MXB261	Modelling and Simulation Science
STB200	Advanced Research Skills and Techniques
Year 3, Semester 1	
BVB305	Microbiology and the Environment
MXB242	Regression and Design
STB310-1	Science Research 1
Biological Sciences Major Unit Option 1	
Year 3, Semester 2	
STB300	Advanced Science Symposium
STB310-2	Science Research 2
Biology Minor Unit 4	
Biological Sciences Major Unit Option 2	
Year 4, Semester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	

STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Chemistry (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

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If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Chemistry (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

- Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

- Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension

Bachelor of Science Advanced (Honours) (Chemistry)

minor

- Advanced Science minor

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Chemistry Core Unit Options](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
Maths Minor unit	
Chemistry Major Option	
Core Unit Option	
Year 1, Semester 2	
CVB204	Organic Structure and Mechanisms
STB100	Research Skills and Techniques
Chemistry Minor Unit	
Maths Minor unit	
Year 2, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
CVB301	Organic Chemistry: Strategies for Synthesis
Maths Minor unit	
Year 2, Semester 2	
CVB203	Physical Chemistry
CVB303	Coordination Chemistry
STB200	Advanced Research Skills and Techniques
Chemistry Minor Unit	
Year 3, Semester 1	
CVB302	Applied Physical Chemistry
STB310-1	Science Research 1
Chemistry Minor Unit	
Chemistry Minor Unit	
Year 3, Semester 2	
STB300	Advanced Science Symposium
STB310-2	Science Research 2
Maths Minor unit	
Chemistry Major Option	
Year 4, Semester 1	
STB412	Advanced Experimental Chemistry Techniques
STH420-1	Advanced Research 1

STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB413	Frontiers of Chemistry
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6
Chemistry Core Unit Options	
Select 12cp from:	
BVB214	Vertebrate Life
BVB317	Principles of Genomics and Biotechnology
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
ERB203	Sedimentary Geology and Stratigraphy
PVB103	Foundations of Physics (Advanced)
PVB104	Optics

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

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If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100,

Bachelor of Science Advanced (Honours) (Earth Science)

STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complimentary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

Sample Structure

Earth Science is critical for Australia's future sustainable development as our natural resources are a major building block of the nation's economy. Geoscientists play a leading role in finding, developing and managing these resources, as well as studying climate change and managing environmental issues, such as chronic water shortage, dry land salinity and coastal development.

An understanding of Planet Earth is fundamental to your career as a Scientist. Earth Science provides us with an understanding of Earth materials, the natural processes acting in and upon our planet, and its history. You will gain advanced skills needed to become a professional Earth Scientist with special emphasis on hands-on skills acquired through laboratory work and field studies for both resource exploration and management and environmental applications. The program provides you with particular strengths in the areas of sedimentary geology, structural geology, igneous processes and geology, hydrogeology, marine geology, and environmental geology - all these subject areas are of particular importance to Queensland and key industrial sectors that underpin our economy. The Earth Science major in the Bachelor of Science Advanced (Honours) will qualify you with an advanced and coherent knowledge in Earth Science.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)

• [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
ERB202	Marine Geoscience
ERB205	Earth Materials
Maths Minor Unit 1	
Year 1, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
ERB206	Petrology
STB100	Research Skills and Techniques
Year 2, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB301	Chemical Earth
ERB302	Applied Geophysics
Maths Minor Unit 2	
Year 2, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB306	Earth's Mineral Resources
STB200	Advanced Research Skills and Techniques
Maths Minor Unit 3	
Year 3, Semester 1	
ERB305	Geological Field Methods
STB310-1	Science Research 1
Earth Science Major Unit Option 1	
Maths Minor Unit 4	
Year 3, Semester 2	
ERB304	Dynamic Earth: Plate Tectonics
STB300	Advanced Science Symposium
STB310-2	Science Research 2
Earth Science Major Unit Option 2	
Year 4, Semester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB411	Advanced Topics in Earth, Environmental and Biological

	Research
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an Environmental Science Major are:

- Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an

Bachelor of Science Advanced (Honours) (Environmental Science)

Environmental Science Major are:

- Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

Sample Structure

The Environmental Science major in the Bachelor of Science Advanced (Honours) will qualify students with an advanced and coherent knowledge of environmental processes and systems. The study of Environmental Science provides an in depth knowledge of the Earth's natural resources and an understanding of the mechanisms, natural processes and human impacts that shape environmental systems. Environmental Scientists play an integral role in managing Australia's future sustainable development, environment impacts and resource management while minimising impacts and degradation.

Within this major students will gain the skills required to pursue a career as a professional environmental scientist, science educator or resource manager. This will be achieved with an emphasis on developing theoretical understanding of environmental processes and systems together with hands-on skill development and hypothesis testing through practical and field studies. The major will provide students with particular strengths in the areas of land resources, environmental impacts, geographic information systems and field mapping, systems modelling and environmental management.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
ERB201	Destructive Earth: Natural Hazards
EVB203	Geospatial Information Science
MXB100	Introductory Calculus and Algebra
Year 1, Semester 2	
EGB383	Environmental Resource Management
ERB101	Earth Systems
STB100	Research Skills and

	Techniques
	Statistical Modelling Minor Unit 2
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EGB274	Environmentally Sustainable Design
EVB312	Soils and the Environment
	Statistical Modelling Minor Unit 3
Year 2, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
STB200	Advanced Research Skills and Techniques
	Statistical Modelling Minor Unit 4
Year 3, Semester 1	
BVB311	Conservation Biology
PQB360	Introduction to Climate Change
STB310-1	Science Research 1
	Environmental Science Major Unit Option 1
Year 3, Semester 2	
ERB310	Groundwater Systems
STB300	Advanced Science Symposium
STB310-2	Science Research 2
	Environmental Science Major Unit Option 2
Year 4, Semester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Physics (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, or Marine Science (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

- Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

- Mathematics for Physics minor

Bachelor of Science Advanced (Honours) (Physics)

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
Maths Minor Unit (MXB100 or MXB322)	
PVB103	Foundations of Physics (Advanced)
PVB104	Optics
Year 1, Semester 2	
Maths Minor Unit (MXB103)	
Maths Minor Unit (PVB200)	
STB100	Research Skills and Techniques
Physics Minor Unit	
Year 2, Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
PVB301	Materials and Thermal Physics
Physics Minor Unit	
Year 2, Semester 2	
PVB204	Electromagnetism
STB200	Advanced Research Skills and Techniques
Physics Minor Unit	
Physics Minor Unit	
Year 3, Semester 1	
Maths Minor Unit (MXB201)	
PVB302	Classical and Quantum Physics
STB310-1	Science Research 1
Physics Major Unit Option	
Year 3, Semester 2	
STB300	Advanced Science Symposium
STB310-2	Science Research 2
PVB303	Nuclear and Particle Physics
Physics Major Unit Option	
Year 4, Semester 1	
STB414	Advanced Quantum Mechanics

STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB415	Solid State Physics and Nanomaterials
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6
Course Notes	

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 1 Summer](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
CZB190	Chemistry for Health Sciences
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
BVB101	Foundations of Biology
BVB102	Evolution
Science Option Unit	
Year 1 Summer	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB203	Plant Biology
BVB301	Animal Biology
Science Option Unit	
Year 2, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
BVB313	Population Genetics and Molecular Ecology
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent

	Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB305	Microbiology and the Environment
Biology and Environmental Science Research	
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4 Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4 Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling

OR	
MXN600	Advanced Statistical Data Analysis

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 1 Summer Semester](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
SEB113	Quantitative Methods in Science
MXB100	Introductory Calculus and Algebra
CVB203	Physical Chemistry
Science Option Unit	
Year 1 Summer Semester	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Maths Option Unit	
Science Option Unit	
Year 2, Semester 2	
CVB204	Organic Structure and Mechanisms
CVB302	Applied Physical Chemistry
CVB303	Coordination Chemistry
Science Option Unit	
Year 2, Summer (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent

	Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
CVB301	Organic Chemistry: Strategies for Synthesis
CVB304	Chemistry Research Project
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling
OR	

MXN600	Advanced Statistical Data Analysis
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Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QATC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 1 Summer Semester](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
ERB201	Destructive Earth: Natural Hazards
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
ERB101	Earth Systems
ERB102	Evolving Earth
Science Option Unit	
Year 1 Summer Semester	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
ERB202	Marine Geoscience
ERB301	Chemical Earth
ERB205	Earth Materials
Maths Option Unit	
Year 2, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
ERB206	Petrology
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital

	Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
ERB302	Applied Geophysics
ERB305	Geological Field Methods
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling

OR	
MXN600	Advanced Statistical Data Analysis

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Environmental Science)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 1 Summer Semester](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
CZB190	Chemistry for Health Sciences
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Science Option Unit	
Year 1 Summer Semester	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
EVB312	Soils and the Environment
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Science Option Unit	
Year 2, Semester 2	
ERB310	Groundwater Systems
BVB204	Ecology
EVB302	Environmental Pollution
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies

EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB311	Conservation Biology
Biology and Environmental Science Research	
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling

OR	
MXN600	Advanced Statistical Data Analysis

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Physics)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
SEB104	Grand Challenges in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Science Option Unit	
Year 2, Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Science Option Unit	
Science Option Unit	
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Science Option Unit	
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous

	Education
PVB304	Physics Research
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
PCN113	Radiation Physics

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

Course requirements: Literacy and numeracy

You will need to successfully complete the National Literacy and Numeracy Test for Initial Teacher Education Students to graduate from the course. You are permitted three test attempts in total for each component as a student at QUT. If you fail three test attempts for each component, you will not be able to graduate. You are not eligible to apply for a place in the course if you have failed

two test attempts for one or more components, at another institution. The test will assess your personal literacy and numeracy skills. QUT provides you with one reimbursement to cover the cost of the test. For more information view additional course requirements.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)

Overall	7.5
Listening	8.0
Reading	7.5
Writing	7.5
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.

Year	2021
QUT code	ID03
CRICOS	059227E
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$8,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,100 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dean Brough (Creative Industries); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Wayne Kelly (Computer Science), Dr Erwin Fieft (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure Your course

In order to complete this course, you must complete a total of 384 credit points comprising 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- core units - 72 credit points
- creative industries introductory units - 24 credit points
- a creative industries major - 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Information Technology component

You will complete:

- six core units (72 credit points: 48cp + 24cp core options)
- 10 major core units (120 credit points).

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure Your course

In order to complete this course, you must complete a total of 384 credit points comprising 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning,

Bachelor of Creative Industries/Bachelor of Information Technology

skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

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Information Technology component

You will complete:

- six core units (72 credit points: 48cp + 24cp core options)
- 10 major core units (120 credit points).

Study overseas

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Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
	IT Core Unit
	IT Core Unit
KKB180	Creative Futures
A unit from the Creative Industries Introductory Unit Options List	
Year 1, Semester 2	
	IT Core Unit
	IT Core Unit
KKB185	Creative Enterprise Studio 1
A unit from the Creative Industries	

Introductory Unit Options List	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
	IT Core Unit Option
	IT Core Unit Option
Creative Industries Major: First Unit	
Creative Industries Major: Second Unit	
Year 2, Semester 2	
	IT Major Unit
	IT Major Unit
Creative Industries Major: Third Unit	
Creative Industries Major: Fourth Unit	
Year 3, Semester 1	
	IT Major Unit
	IT Major Unit
Creative Industries Major: Fifth Unit	
Creative Industries Major: Sixth Unit	
Year 3, Semester 2	
	IT Major Unit
	IT Major Unit
KKB285	Creative Enterprise Studio 2
Creative Industries Major: Seventh Unit	
Year 4, Semester 1	
	IT Major Unit
	IT Major Unit
Creative Industries Major: Eighth Unit	
A unit from the Creative Industries WIL Unit Options List:	
KKB341	Work Integrated Learning 1
KKB380	Creative Enterprise and Entrepreneurship
Year 4, Semester 2	
	IT Major Unit
	IT Major Unit
KKB385	Creative Enterprise Studio 3

Semesters

- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Year 1, Semester 2	
	IT Core Unit
	IT Core Unit
KKB185	Creative Enterprise Studio 1
A unit from the Creative Industries Introductory Unit Options List	
Year 2, Semester 1	
	IT Core Unit

IT Core Unit	
KKB180	Creative Futures
A unit from the Creative Industries Introductory Unit Options List	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
	IT Core Unit Option
	IT Core Unit Option
Creative Industries Major: First Unit	
Creative Industries Major: Second Unit	
Year 3, Semester 1	
	IT Major Unit
	IT Major Unit
Creative Industries Major: Third Unit	
Creative Industries Major: Fourth Unit	
Year 3, Semester 2	
	IT Major Unit
	IT Major Unit
KKB285	Creative Enterprise Studio 2
Creative Industries Major: Fifth Unit	
Year 4, Semester 1	
	IT Major Unit
	IT Major Unit
Creative Industries Major: Sixth Unit	
Creative Industries Major: Seventh Unit	
Year 4, Semester 2	
	IT Major Unit
	IT Major Unit
KKB385	Creative Enterprise Studio 3
Year 5, Semester 1	
	IT Major Unit
	IT Major Unit
Creative Industries Major: Eighth Unit	
A unit from the Creative Industries WIL Unit Options List:	
KKB341	Work Integrated Learning 1
KKB380	Creative Enterprise and Entrepreneurship

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)

Bachelor of Creative Industries/Bachelor of Information Technology

- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	

CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis

Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems

Consulting

Year	2021
QUT code	ID10
CRICOS	096583M
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$12,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Elija Cassidy (Digital Media); Dr Wayne Kelly (Computer Science); Dr Erwin Fieft (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Digital Media) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in digital media.

Information technology component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems or computer science major.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Digital Media) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in digital media.

Information technology component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems or computer science major.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)

Bachelor of Communication (Digital Media)/Bachelor of Information Technology

- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
IT Core Unit	
IT Core Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
IT Core Unit	
IT Core Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
IT Core Unit	
IT Core Unit	
Year 2, Semester 2	
CCB102	Multi-Media Design
CYB106	Global Media and Entertainment Industries
IT Major Unit	
IT Major Unit	
Year 3, Semester 1	
CCB200	Digital Platforms
CCB202	Social Media, Self and Society
IT Major Unit	
IT Major Unit	
Year 3, Semester 2	
CCB201	Australian Media
CCB204	Communication Planning and Practice
IT Major Unit	
IT Major Unit	
Year 4, Semester 1	
CCB301	Communication Research Methods
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1

KKB350	Creative Industries Study Tour
IT Major Unit	
IT Major Unit	
Year 4, Semester 2	
CCB302	Digital Media Analytics
CCB303	Digital Media Project
IT Major Unit	
IT Major Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
IT Core Unit	
IT Core Unit	
Year 2, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
IT Core Unit	
IT Core Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
CCB102	Multi-Media Design
CYB106	Global Media and Entertainment Industries
IT Core Unit	
IT Core Unit	
Year 3, Semester 1	
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
IT Major Unit	
IT Major Unit	
Year 3, Semester 2	
CCB201	Australian Media
CCB204	Communication Planning and Practice
IT Major Unit	
IT Major Unit	
Year 4, Semester 1	
CCB200	Digital Platforms
CCB202	Social Media, Self and Society
IT Major Unit	
IT Major Unit	
Year 4, Semester 2	
CCB302	Digital Media Analytics
CCB303	Digital Media Project
IT Major Unit	
IT Major Unit	
Year 5, Semester 1	
CCB301	Communication Research Methods

One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
IT Major Unit	
IT Major Unit	

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- [Year 3, Semester 1](#)
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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
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- [Year 4, Semester 2](#)
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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms

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CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

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- [Year 4, Semester 2](#)
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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application

	Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

Year	2021
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$11,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; Dr Graham Johnson (Science)
Discipline Coordinator	Dr Jason Sternberg (Journalism); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) (Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Journalism) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree

concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in journalism.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Journalism) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

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depending on how they match with your QUT course.

Sample Structure Semesters

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- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CJB101	Newswriting
CYB101	Introduction to Communication
Science Unit	
Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
LWS011	Journalism Law
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CJB102	Visual Journalism
CYB102	Introduction to Media and Entertainment Industries
Science Unit	
Science Unit	
Year 2, Semester 2	
CJB103	Journalistic Inquiry
CYB104	Managing Social Media
Science Unit	
Science Unit	
Year 3, Semester 1	
CJB201	Feature Writing
CJB202	Production Journalism
Science Unit	
Science Unit	
Year 3, Semester 2	
CJB203	Newsroom

Science Unit	
Science Unit	
Year 4, Semester 1	
CJB302	Newsdesk
Science Unit	
Science Unit	
Year 4, Semester 2	
CJB204	Journalism Ethics and Issues
CJB301	International Newsdesk
Science Unit	
Science Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science Unit	
Science Unit	
Year 2, Semester 1	
CJB101	Newswriting
CYB101	Introduction to Communication
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
CJB103	Journalistic Inquiry
LWS011	Journalism Law
Science Unit	
Science Unit	
Year 3, Semester 1	
CJB102	Visual Journalism
CYB102	Introduction to Media and Entertainment Industries
Science Unit	
Science Unit	
Year 3, Semester 2	
CJB203	Newsroom
Science Unit	
Science Unit	
Year 4, Semester 1	
CJB201	Feature Writing
CJB202	Production Journalism
Science Unit	
Science Unit	
Year 4, Semester 2	
CJB204	Journalism Ethics and Issues
CJB301	International Newsdesk
Science Unit	
Science Unit	
Year 5, Semester 1	
CJB302	Newsdesk

Science Unit	
Science Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	

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SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry

CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

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- [Year 3, Semester 2](#)
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- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	

ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	

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SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

Year 5, Semester 1
Science Core Unit Option
Science Major Unit Option

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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
PVB102	Physics of the Very Small
PVB101	Physics of the Very Large
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Year	2021
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$11,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; Dr Graham Johnson (Science)
Discipline Coordinator	Dr Glen Thomas (Professional Communication); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) (Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

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If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
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Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Professional Communication) and 192 credit points from the Bachelor of Science. You will undertake the two components of the

double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in professional communication.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
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- physics

Study overseas

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- a communication major (144 credit points) in professional communication.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or

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during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

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- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Science Unit	
Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CWB101	Communication and Composition: Introduction to Academic Writing
CWB102	Influence and Persuasion
Science Unit	
Science Unit	
Year 2, Semester 2	
CCB102	Multi-Media Design
CWB103	Interpersonal and Intercultural Negotiation
Science Unit	
Science Unit	
Year 3, Semester 1	
CCB203	Strategic Speech Communication

CWB202	Rhetoric: Public Communication Skills
Science Unit	
Science Unit	
Year 3, Semester 2	
CCB204	Communication Planning and Practice
CWB201	Corporate Writing and Editing
Science Unit	
Science Unit	
Year 4, Semester 1	
CWB301	Political Communication
CWB303	Communication Project
Science Unit	
Science Unit	
Year 4, Semester 2	
CWB302	Advanced Corporate Communication
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science Unit	
Science Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science Unit	
Science Unit	
Year 2, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
CCB102	Multi-Media Design
CWB103	Interpersonal and Intercultural Negotiation
Science Unit	
Science Unit	
Year 3, Semester 1	
CWB101	Communication and Composition: Introduction to Academic Writing
CWB102	Influence and Persuasion

Science Unit	
Science Unit	
Year 3, Semester 2	
CCB204	Communication Planning and Practice
CWB201	Corporate Writing and Editing
Science Unit	
Science Unit	
Year 4, semester 1	
CCB203	Strategic Speech Communication
CWB202	Rhetoric: Public Communication Skills
Science Unit	
Science Unit	
Year 4, Semester 2	
CWB302	Advanced Corporate Communication
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science Unit	
Science Unit	
Year 5, Semester 1	
CWB301	Political Communication
CWB303	Communication Project
Science Unit	
Science Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science

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Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

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- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural

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	Geology
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology

EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	

Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
PVB102	Physics of the Very Small
PVB101	Physics of the Very Large
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Minimum English requirements

Students must meet the English proficiency requirements.

Year	2021
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	Program Director, School of Communication; Dr Graham Johnson (Science)

Year	2021
QUT code	ID15
CRICOS	096570E
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,600 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferral	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Dr Wayne Kelly (Information Technology); phone +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	Dr Jen Seevinck (Interaction Design); Dr Wayne Kelly (Computer Science); Dr Erwin Fieft (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)

Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Interaction Design) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interaction design major (144 credit points), including: four shared foundation units (48 credit points) seven units (96 credit points) from the discipline.

Information technology component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems major or the computer science major.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Interaction Design) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interaction design major (144 credit points), including: four shared foundation units (48 credit points) seven units (96 credit points) from the discipline.

Information technology component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems major or the computer science major.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB121	Introducing Design Fabrication
IT Core Unit	
IT Core Unit	
Year 1, Semester 2	
DYB102	Impact Lab 2: People
DYB123	Emerging Design Technology
IT Core Unit	
IT Core Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
DXB110	Principles of Interaction Design
DYB122	Design Visualisations
IT Core Unit	
IT Core Unit	
Year 2, Semester 2	
DXB111	Introduction to Web Design
DYB124	Design Consequences
IT Major Unit	
IT Major Unit	
Year 3, Semester 1	
DXB210	Critical Experience Design
DXB211	Creative Coding
IT Major Unit	
IT Major Unit	
Year 3, Semester 2	
DXB212	Tangible Media
DYB201	Impact Lab 3: Planet
IT Major Unit	
IT Major Unit	

Year 4, Semester 1	
DXB310	Augmented Interactions
One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
IT Major Unit	
IT Major Unit	
Year 4, Semester 2	
DXB311	Advanced Interaction Design Project
IT Major Unit	
IT Major Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
DYB101	Impact Lab 1: Place
DYB123	Emerging Design Technology
IT Core Unit	
IT Core Unit	
Year 2, Semester 1	
DYB121	Introducing Design Fabrication
DYB122	Design Visualisations
IT Core Unit	
IT Core Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
DYB124	Design Consequences
DXB111	Introduction to Web Design
IT Core Unit	
IT Core Unit	
Year 3, Semester 1	
DXB110	Principles of Interaction Design
DXB211	Creative Coding
IT Major Unit	
IT Major Unit	
Year 3, Semester 2	
DYB102	Impact Lab 2: People
DXB212	Tangible Media
IT Major Unit	
IT Major Unit	
Year 4, Semester 1	
DXB210	Critical Experience Design
DXB310	Augmented Interactions
IT Major Unit	
IT Major Unit	
Year 4, Semester 2	
DXB311	Advanced Interaction Design Project
IT Major Unit	

IT Major Unit	
Year 5, Semester 1	
DYB201	Impact Lab 3: Planet
One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
IT Major Unit	
IT Major Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)

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Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

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- [Year 4, Semester 2](#)
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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	

Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

Year	2021
QUT code	ID20
CRICOS	096575M
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Dr Graham Johnson (Science)
Discipline Coordinator	Dr Greg Mewes (Landscape Architecture); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) (Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the landscape architecture major (144 credit points), including: four shared foundation units (48 credit points) eight units (96 credit points) from the discipline.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the landscape architecture major (144 credit points), including: four shared foundation units (48 credit points) eight units (96 credit points) from the discipline.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your

Bachelor of Design (Landscape Architecture)/Bachelor of Science

QUT course.

Sample Structure Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
Science Unit	
Science Unit	
Year 1, Semester 2	
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
DLB101	Landscape Studio 1
DYB112	Spatial Materiality
Science Unit	
Science Unit	
Year 2, Semester 2	
DLB102	Landscape Studio 2
DYB102	Impact Lab 2: People
Science Unit	
Science Unit	
Year 3, Semester 1	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science Unit	
Science Unit	
Year 3, Semester 2	
DLB204	Planting Design
DYB201	Impact Lab 3: Planet

Science Unit	
Science Unit	
Year 4, Semester 1	
DLB301	Landscape Ecology
One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science Unit	
Science Unit	
Year 4, Semester 2	
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Science Unit	
Science Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
Science Unit	
Science Unit	
Year 2, Semester 1	
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
DLB102	Landscape Studio 2
DYB114	Spatial Histories
Science Unit	
Science Unit	
Year 3, Semester 1	
DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People
Science Unit	
Science Unit	
Year 3, Semester 2	
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
Science Unit	
Science Unit	
Year 4, Semester 1	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science Unit	
Science Unit	

Year 4, Semester 2	
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Science Unit	
Science Unit	
Year 5, Semester 1	
DLB301	Landscape Ecology
One unit from the Impact Lab Unit Options List:	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science Unit	
Science Unit	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
Science Unit	
Science Unit	
Year 1, Semester 2	
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
DLB101	Landscape Studio 1
DYB112	Spatial Materiality
Science Unit	
Science Unit	
Year 2, Semester 2	
DLB102	Landscape Studio 2

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DYB102	Impact Lab 2: People
Science Unit	
Science Unit	
Year 3, Semester 1	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science Unit	
Science Unit	
Year 3, Semester 2	
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
Science Unit	
Science Unit	
Year 4, Semester 1	
DLB301	Landscape Ecology
One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science Unit	
Science Unit	
Year 4, Semester 2	
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Science Unit	
Science Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
Science Unit	
Science Unit	
Year 2, Semester 1	
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
DLB102	Landscape Studio 2
DYB114	Spatial Histories
Science Unit	
Science Unit	
Year 3, Semester 1	
DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People
Science Unit	

Science Unit	
Year 3, Semester 2	
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
Science Unit	
Science Unit	
Year 4, Semester 1	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science Unit	
Science Unit	
Year 4, Semester 2	
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Science Unit	
Science Unit	
Year 5, Semester 1	
DLB301	Landscape Ecology
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
UXB301	Professional Practice
Science Unit	
Science Unit	

Semesters

- [Semester 1 \(February\) commencements](#)
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- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	

Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Semesters

- [Year 1 Semester 1](#)
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- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
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- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

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- [Year 2 Semester 2](#)
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- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, Semester 1	

ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	

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ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

SEB116	Experimental Science 2
Year 2 Semester 2	
PVB102	Physics of the Very Small
PVB101	Physics of the Very Large
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

- [Year 1 Semester 1](#)
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- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
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- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1

Year	2021
QUT code	ID22
CRICOS	099057J
Duration (full-time)	4.5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	72.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$6,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	432
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

You must have passed four semesters (Units 3 & 4, C) at an Australian high school level or equivalent:

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- at least one of General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

Haven't completed the prerequisite subjects?

You may be able to meet the prerequisite requirements if you've completed equivalent subjects or by completing bridging courses.

[How to meet prerequisite requirements](#)

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Entry requirements Prerequisites

You must have passed four semesters (Units 3 & 4, C) at an Australian high school level or equivalent:

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- at least one of General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

Haven't completed the prerequisite subjects?

You may be able to meet the prerequisite requirements if you've completed equivalent subjects or by completing bridging courses.

[How to meet prerequisite requirements](#)

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) capabilities criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0

Reading	6.0
Writing	6.0
Speaking	6.0

Sample Structure

Semesters

- [Semester 1 \(February\) Commencement](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Semester 2 \(July\) Commencement:](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)

Code	Title
Semester 1 (February) Commencement	
Year 1, Semester 1	
EUB101	Supporting Innovative Pedagogy with Digital Technologies
EUB104	Stepping In
IT Core Unit	
IT Core Unit	
Year 1, Semester 2	
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree
EUB129 requires a blue card	
EUB112	Child and Adolescent Learning and Development
IT Core Unit	
IT Core Unit	
Year 2, Semester 1	
EUB103	Culture Studies: Indigenous Education
IT Major Unit	
IT Major Unit	
EUB242-2	Professional Experience: Introduction to Professional Practice
Designated Unit EUB242: Contains 15 days professional experience and requires a blue card	
Year 2, Semester 2	
Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List	
Discipline unit 1 for second teaching	

area from Education Discipline & Curriculum Units List	
IT Core Unit Option	
IT Major Unit	
Year 3, Semester 1	
Discipline unit 2 for second teaching area from Education Discipline & Curriculum Units List	
EUB213	Inclusive Practices for Diverse Learners
IT Major Unit	
EUB343-2	Professional Experience: Informing Professional Practice
Designated Unit EUB343: Contains 20 days professional experience and requires a blue card	
Year 3, Semester 2	
Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List	
Discipline unit 3 for second teaching area from Education Discipline & Curriculum Units List	
IT Core Unit Option	
IT Major Unit	
Year 4, Semester 1	
EUB102	Education and Society
IT Major Unit	
IT Major Unit (capstone)	
EUB444 Professional Experience: Consolidating Professional Practice	
Designated Unit EUB444: Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUB329	Curriculum, Pedagogy and Assessment: Double Degree
IT Major Unit	
IT Major Unit	
IT Major Unit (capstone)	
Year 5, Semester 1	
EUB445	Professional Experience: Transition to Professional Practice
Designated Unit EUB445: Contains 25 days professional experience and requires a blue card	
EUB445 must be taken in your final semester of study.	
EUB406	Stepping Out/ Quality Teaching Performance Assessment
EUB406 must be taken in your final semester of study.	
EUB310	Teaching EAL/D Learners
Discipline unit 4 for second teacher area from Education Discipline & Curriculum	

Units	
Semester 2 (July) Commencement:	
Year 1, Semester 2	
IT Core Unit	
IT Core Unit	
IT Core Unit	
IT Core Unit	
Year 2, Semester 1	
EUB101	Supporting Innovative Pedagogy with Digital Technologies
EUB102	Education and Society
EUB103	Culture Studies: Indigenous Education
EUB104	Stepping In
Year 2, Semester 2	
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree
EUB129 requires a blue card	
EUB112	Child and Adolescent Learning and Development
IT Major Unit	
IT Major Unit	
Year 3, Semester 1	
EUB213	Inclusive Practices for Diverse Learners
IT Major Unit	
IT Major Unit	
EUB242-2	Professional Experience: Introduction to Professional Practice
Designated Unit EUB242: Contains 15 days professional experience and requires a blue card	
Year 3, Semester 2	
Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List - July entry	
Discipline unit 1 for second teaching area from Education Discipline & Curriculum Units List - July entry	
IT Major Unit	
IT Major Unit	
Year 4, Semester 1	
EUB343-2	Professional Experience: Informing Professional Practice
Designated Unit EUB343: Contains 20 days professional experience and requires a blue card	
Discipline unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry	
IT Major Unit	
IT Core Unit Option	
Year 4, Semester 2	

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Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry	
EUB329	Curriculum, Pedagogy and Assessment: Double Degree
Discipline unit 3 for second teaching area from Education Discipline & Curriculum Units List - July entry	
IT Core Unit Option	
Year 5, Semester 1	
EUB444 Professional Experience: Consolidating Professional Experience	
Designated Unit EUB444: Contains 20 days professional experience and requires a blue card	
Discipline unit 4 for second teaching area from Education Discipline & Curriculum Units List - July entry	
EUB310	Teaching EAL/D Learners
IT Major Unit (capstone)	
Year 5, Semester 2	
EUB445	Professional Experience: Transition to Professional Practice
EUB445 must be taken in your final semester of study.	
Designated Unit EUB445: Contains 25 days professional experience and requires a blue card	
EUB406	Stepping Out/ Quality Teaching Performance Assessment
Designated unit: EUB406. EUB406 is a Capstone unit with Conference. Completion of all units in your course is assumed knowledge. It requires a blue card.	
EUB406 must be taken in your final semester of study.	
IT Major Unit	
IT Major Unit (capstone)	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
CAB201	Programming Principles
CAB203	Discrete Structures
Year 2, Semester 2	
CAB202	Microprocessors and Digital Systems
Core Unit Option	
Year 3, Semester 1	
CAB301	Algorithms and Complexity
Year 3, Semester 2	
IFB295	IT Project Management
Core Unit Option	
Year 4, Semester 1	
CAB302	Software Development
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
CAB303	Networks
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
All units this semester will be Education units	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	

CAB301	Algorithms and Complexity
Core Unit Option	
Year 4, Semester 2	
Core Unit Option	
Year 5, Semester 1	
IFB398	Capstone Project (Phase 1)
Year 5, Semester 2	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IAB201	Modelling Techniques for Information Systems
IAB203	Business Process Modelling
Year 2, Semester 2	
IAB207	Rapid Web Application Development
IAB305	Information Systems Lifecycle Management
Year 3, Semester 1	
Core Unit Option	
Year 3, Semester 2	
IAB401	Enterprise Architecture
IFB295	IT Project Management

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Year 4, Semester 1	
IAB204	Business Requirements Analysis
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
Core Unit Option	
IFB399	Capstone Project (Phase 2)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
All units this semester will be Education units	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB203	Business Process Modelling
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
Core Unit Option	
Core Unit Option	
Year 4, Semester 2	
IAB401	Enterprise Architecture
Year 5, Semester 1	
IFB398	Capstone Project (Phase 1)
Year 5, Semester 2	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement

IAB402	Information Systems Consulting
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In this list

- [English Second Teaching Area Discipline and Curriculum Units List](#)
- [Geography Second Teaching Area Discipline and Curriculum Units List](#)
- [History Second Teaching Area Discipline and Curriculum Units List](#)
- [Mathematics Second Teaching Area Discipline and Curriculum Units List](#)

English Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 2, Semester 2: Discipline Unit 1	
EUB152	Teaching Young Adult Literature
Year 2, Semester 2: Curriculum Unit 1	
EUB220	Curriculum, Pedagogy and Assessment 1: English
Year 3, Semester 1: Discipline Unit 2	
EUB254	Studies in Language
Year 3, Semester 2: Discipline Unit 3	
EUB255	Literature in Secondary Teaching
Year 3, Semester 2: Curriculum Unit 2	
EUB320	Curriculum, Pedagogy and Assessment 2: English
Year 5, Semester 1: Discipline Unit 4	
EUB354	Screen Studies and New Media

Geography Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 2, Semester 2: Discipline Unit 1	
EUB251	Environment and Society
Year 2, Semester 2: Curriculum Unit 1	
EUB223	Curriculum, Pedagogy and Assessment 1: Geography
Year 3, Semester 1: Discipline Unit 2	
EUB250	Australian Geographical Studies
Year 3, Semester 2: Discipline Unit 3	
EUB351	Space, Population and Territory
Year 3, Semester 2: Curriculum Unit 2	
EUB323	Curriculum, Pedagogy and Assessment 2: Geography
Year 5, Semester 1: Discipline Unit 4	
EUB350	Asia in Focus

History Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 2, Semester 2: Discipline Unit 1	
EUB151	Nations and Nationalism in Modern Europe

Year 2, Semester 2: Curriculum Unit 1	
EUB222	Curriculum, Pedagogy and Assessment 1: History
Year 3, Semester 1: Discipline Unit 2	
EUB352	Medieval Europe and the World
Year 3, Semester 2: Discipline Unit 3	
EUB253	The Classical World
Year 3, Semester 2: Curriculum Unit 2	
EUB322	Curriculum, Pedagogy and Assessment 2: History
Year 5, Semester 1: Discipline Unit 4	
EUB451	Australia, Britain and America

Mathematics Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 2, Semester 2: Discipline Unit 1	
EUB153	Thinking and Communicating Mathematically
Year 2, Semester 2: Curriculum Unit 1	
EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics
Year 3, Semester 1: Discipline Unit 2	
EUB256	Exploring, Representing and Interpreting Mathematical Change
Year 3, Semester 2: Discipline Unit 3	
EUB257	Reasoning with Quantity, Space and Shape
Year 3, Semester 2: Curriculum Unit 2	
EUB321	Curriculum, Pedagogy and Assessment 2: Mathematics
Year 5, Semester 1: Discipline Unit 4	
EUB355	Uncertain Situations

In this list

- [English Second Teaching Area Discipline and Curriculum Units List](#)
- [Geography Second Teaching Area Discipline and Curriculum Units List](#)
- [History Second Teaching Area Discipline and Curriculum Units List](#)
- [Mathematics Second Teaching Area Discipline and Curriculum Units List](#)

English Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 3, Semester 2: Discipline Unit 1	
EUB152	Teaching Young Adult Literature
Year 3, Semester 2: Curriculum Unit 1	
EUB220	Curriculum, Pedagogy and Assessment 1: English
Year 4, Semester 1: Discipline Unit 2	
EUB254	Studies in Language
Year 4, Semester 2: Discipline Unit 3	
EUB255	Literature in Secondary

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	Teaching
Year 4, Semester 2: Curriculum Unit 2	
EUB320	Curriculum, Pedagogy and Assessment 2: English
Year 5, Semester 1: Discipline Unit 4	
EUB354	Screen Studies and New Media

Geography Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 3, Semester 2: Discipline Unit 1	
EUB251	Environment and Society
Year 3, Semester 2: Curriculum Unit 1	
EUB223	Curriculum, Pedagogy and Assessment 1: Geography
Year 4, Semester 1: Discipline Unit 2	
EUB250	Australian Geographical Studies
Year 4, Semester 2: Discipline Unit 3	
EUB351	Space, Population and Territory
Year 4, Semester 2: Curriculum Unit 2	
EUB323	Curriculum, Pedagogy and Assessment 2: Geography
Year 5, Semester 1: Discipline Unit 4	
EUB350	Asia in Focus

History Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 3, Semester 2: Discipline Unit 1	
EUB151	Nations and Nationalism in Modern Europe
Year 3, Semester 2: Curriculum Unit 1	
EUB222	Curriculum, Pedagogy and Assessment 1: History
Year 4, Semester 1: Discipline Unit 2	
EUB352	Medieval Europe and the World
Year 4, Semester 2: Discipline Unit 3	
EUB253	The Classical World
Year 4, Semester 2: Curriculum Unit 2	
EUB322	Curriculum, Pedagogy and Assessment 2: History
Year 5, Semester 1: Discipline Unit 4	
EUB451	Australia, Britain and America

Mathematics Second Teaching Area Discipline and Curriculum Units List

Code	Title
Year 3, Semester 2: Discipline Unit 1	
EUB153	Thinking and Communicating Mathematically
Year 3, Semester 2: Curriculum Unit 1	
EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics

Year 4, Semester 1: Discipline Unit 2	
EUB256	Exploring, Representing and Interpreting Mathematical Change
Year 4, Semester 2: Discipline Unit 3	
EUB257	Reasoning with Quantity, Space and Shape
Year 4, Semester 2: Curriculum Unit 2	
EUB321	Curriculum, Pedagogy and Assessment 2: Mathematics
Year 5, Semester 1: Discipline Unit 4	
EUB355	Uncertain Situations

Year	2021
QUT code	ID28
CRICOS	0100982
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$40,500 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Kerry Manton, Course Coordinator, Bachelor of Biomedical Science Dr Timothy Moroney, Course Coordinator, Bachelor of Mathematics
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- Biology (Units 3 & 4, C)
- Chemistry (Units 3 & 4, C)
- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Biology (Units 3 & 4, C)
- Chemistry (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Biomedical Science component consists of 96 credit points of core biomedical science studies and either one 72 credit point Biomedical Science Major and 24 credit points of elective units, or two Biomedical Science Minors (each worth 48 credit points).

The Mathematics component consists of 96 credit points of core units and 96 credit points of a selected major.

International Course structure

Biomedical Science component consists of 96 credit points of core biomedical science studies and either one 72 credit point Biomedical Science Major and 24 credit points of elective units, or two Biomedical Science Minors (each worth 48 credit points).

The Mathematics component consists of

96 credit points of core units and 96 credit points of a selected major.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
LQB187	Human Anatomy
LQB184	Introduction to Biomedical Science
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1, Semester 2	
LQB286	Quantitative Skills for Health Scientists
LSB258	Principles of Human Physiology
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2, Semester 1	
LQB180	Foundations of Biochemistry
LQB186	Human Cell & Molecular Biology
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2, Semester 2	
LQB292	Principles of Infection and Immunity
LQB280	Genes, Genomes and Genetics
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3, Semester 1	
Biomedical Sciences Major unit AND Biomedical Sciences Elective	
Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit	
Maths Major Unit	
Maths Major Unit	
Year 3, Semester 2	
Biomedical Sciences Major unit AND Biomedical Sciences Elective	
Biomedical Sciences 1st Minor unit AND	

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Biomedical Sciences 2nd Minor unit
Maths Major Unit
Maths Major Unit
Year 4, Semester 1
Biomedical Sciences Major unit AND Biomedical Sciences Major unit
Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit
Maths Major Unit
Maths Major Unit
Year 4, Semester 2
Biomedical Sciences Major unit AND Biomedical Sciences Major unit
Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit
Maths Major Unit
Maths Major Unit

Semesters

- [Applied and Computational Mathematics Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations

MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- [Operations Research Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- [Statistical Science Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)

- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Statistical Science Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Semesters

- [Core Units](#)
- [Option Units](#)

Code	Title
Course Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points option units	
Core Units	
LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging
LQB670	Anatomical Dissection
Option Units	
Choose 36 credit points from:	
LQB570	Forensic Anatomy
LQB571	Neuroscience

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LQB671	Histological Research Techniques
LQB502	Biomedical Work Integrated Learning A

Semesters

- [Core Units](#)
- [Option Units](#)

Code	Title
Course Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units	
Core Units	
LQB385	Molecular Biology and Bioinformatics
LQB485	Cell Biology
LQB684	Advances in Medical Biotechnology
Option Units	
Choose 36 credit points from:	
LQB583	Molecular Systems Biology
LQB595	Cellular Engineering
LQB601	Cancer Biology
LQB502	Biomedical Work Integrated Learning A

Semesters

- [Core Units](#)
- [Option Units](#)

Code	Title
Course Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units	
Core Units	
LQB381	Biochemistry
LQB481	Biochemical Pathways and Metabolism
LQB681	Biomolecular Research Skills
Option Units	
Choose 36 credit points from:	
LQB581	Biomolecular Control Systems
LQB582	Biomedical Research Technologies
LQB682	Biomolecular Design
LQB502	Biomedical Work Integrated Learning A

Semesters

- [Core units](#)
- [Option units](#)

Code	Title
Course Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units	

Core units	
36 credits points comprising:	
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2
LQB608	Extreme Physiology
Option units	
Choose 36 credit points from:	
LQB508	Clinical Physiology and Pathophysiology
LQB571	Neuroscience
LQB600	Physiological Basis of Pharmacology
LQB502	Biomedical Work Integrated Learning A

Semesters

- [Core units](#)
- [Option units](#)

Code	Title
Course Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units	
Core units	
LQB362	Principles and Practice of Infectious Diseases
LQB494	Pathogen Biology and Pathogenesis
LQB694	Infectious Disease Outbreaks
Option units	
Choose 36 credit points from:	
LQB583	Molecular Systems Biology
LQB594	Pathogen Diagnosis and Therapeutics
LQB693	Immunological Approaches for Infection and Immunity
LQB502	Biomedical Work Integrated Learning A

Semesters

- [Core units](#)
- [Option units](#)

Code	Title
Course Notes	
Students complete 48 credit points - 24 credit points core units and 24 credit points option units	
Core units	
LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging
Option units	
Choose 24 credit points from:	
LQB570	Forensic Anatomy
LQB571	Neuroscience
LQB671	Histological Research Techniques

LQB503	Biomedical Work Integrated Learning B
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Semesters

- [Core units](#)
- [Option units](#)

Code	Title
Course Notes	
Students complete 48 credit points - 24 credit points core units and 24 credit points option units	
Core units	
LQB385	Molecular Biology and Bioinformatics
LQB485	Cell Biology
Option units	
Choose 24 credit points from:	
LQB503	Biomedical Work Integrated Learning B
LQB583	Molecular Systems Biology
LQB595	Cellular Engineering
LQB601	Cancer Biology
LQB684	Advances in Medical Biotechnology

Semesters

- [Core Units](#)
- [Option Units](#)

Code	Title
Course Notes	
Students complete 48 credit points - 36 credit points core units and 12 credit points option units	
Core Units	
LQB504 -1	Clinical Physiology Professional Internship
LQB504 -2	Clinical Physiology Professional Internship
LQB504 -3	Clinical Physiology Professional Internship
Option Units	
Choose one unit from:	
LQB362	Principles and Practice of Infectious Diseases
LQB381	Biochemistry
LQB382	Developmental Anatomy and Tissue Adaptation
LQB385	Molecular Biology and Bioinformatics

Semesters

- [Core units](#)
- [Option units](#)

Code	Title
Course Notes	
Students complete 48 credit points - 24 credit points core units and 24 credit points option units	

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points option units	
Core units	
LQB381	Biochemistry
LQB481	Biochemical Pathways and Metabolism
Option units	
Choose 24 credit points from:	
LQB581	Biomolecular Control Systems
LQB582	Biomedical Research Technologies
LQB681	Biomolecular Research Skills
LQB682	Biomolecular Design
LQB503	Biomedical Work Integrated Learning B

Semesters

- [Core units](#)
- [Option units](#)

Code	Title
Course Notes	
Students complete 48 credit points - 24 credit points core units and 24 credit points option units	
Core units	
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2
Option units	
24 credit points from:	
LQB503	Biomedical Work Integrated Learning B
LQB508	Clinical Physiology and Pathophysiology
LQB571	Neuroscience
LQB600	Physiological Basis of Pharmacology
LQB608	Extreme Physiology

Semesters

- [Core units](#)
- [Option units](#)

Code	Title
Course Notes	
Students complete 48 credit points - 24 credit points core units and 24 credit points option units	
Core units	
LQB362	Principles and Practice of Infectious Diseases
LQB494	Pathogen Biology and Pathogenesis
Option units	
24 credit points from:	
LQB583	Molecular Systems Biology
LQB594	Pathogen Diagnosis and Therapeutics
LQB693	Immunological Approaches for Infection and Immunity

LQB694	Infectious Disease Outbreaks
LQB503	Biomedical Work Integrated Learning B

Code	Title
Indigenous Knowledges Minor	
KKB190	Yatdjulin - Cultural Safety in Indigenous Australian Context
KKB191	Am I black enough? Indigenous Australian Representations
KKB192	Smash the Act - Indigenous Australian Politics
KKB193	Indigenous Knowledge: Research Ethics and Protocols

Semesters

- [Human Anatomical Sciences](#)
- [Cell and Molecular Biology](#)
- [Human Biochemistry](#)
- [Human Physiology](#)
- [Infectious Diseases](#)
- [General Options](#)

Code	Title
Human Anatomical Sciences	
LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging
Cell and Molecular Biology	
LQB385	Molecular Biology and Bioinformatics
LQB485	Cell Biology
Human Biochemistry	
LQB381	Biochemistry
LQB481	Biochemical Pathways and Metabolism
Human Physiology	
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2
Infectious Diseases	
LQB362	Principles and Practice of Infectious Diseases
LQB494	Pathogen Biology and Pathogenesis
General Options	
LQB502	Biomedical Work Integrated Learning A
LQB503	Biomedical Work Integrated Learning B
Other units may be chosen with the approval of the course coordinator	

Year	2021
QUT code	ID29
CRICOS	103857E
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

This course combines the Bachelor of Business and the Bachelor of Data Science degrees. The business degree is uniquely designed to inspire students to realise their potential, to think entrepreneurially, and to ethically and sustainably shape the future of business. Students will develop core business capabilities and undertake focused and authentic study in their chosen business discipline. The data science component covers the necessary theory and the practical tools for data acquisition, storage, management, processing, analysis and visualisation. Ethical considerations, communication, collaboration and critical thinking skills are all given first-class coverage.

Course structures will be available soon.

International Course structure

This course combines the Bachelor of Business and the Bachelor of Data Science degrees. The business degree is

uniquely designed to inspire students to realise their potential, to think entrepreneurially, and to ethically and sustainably shape the future of business. Students will develop core business capabilities and undertake focused and authentic study in their chosen business discipline. The data science component covers the necessary theory and the practical tools for data acquisition, storage, management, processing, analysis and visualisation. Ethical considerations, communication, collaboration and critical thinking skills are all given first-class coverage.

Course structures will be available soon.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB111	Business Law and Ethics
BSB110	Accounting
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional accreditation.	
Year 2, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 2, Semester 2	
AYB225	Management Accounting
AYB200	Financial Accounting
Year 3, Semester 1	
AYB221	Accounting Systems and Analytics
EFB210	Finance 1
Year 3, Semester 2	
AYB230	Corporations Law
AYB219	Taxation Law
Year 4, Semester 1	
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4, Semester 2	

Bachelor of Business / Bachelor of Data Science

AYB311	Financial Accounting Issues
AYB301	Audit and Assurance

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#):

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics
Year 2, Semester 2	
AMB220	Advertising Works
BSB108	Business Environment
Year 3, Semester 1	
AMB319	Consumers and Media Channels
BSB250	Business Citizenship
Year 3, Semester 2	
AMB318	Create Advertising
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
AMB320	Advertising Management
AMB330	Digital Optimisation
Year 4, Semester 2	
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Options Units List:	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

*Select a unit from the Economics

Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groups may be undertaken.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)
- [Economics Options List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
EFB222	Introduction to Applied Econometrics
Select a unit from the Core Options Unit List or The Economics Options List	
*Students undertake EFB222 as one of the Economics Options Units.	
Year 2, Semester 2	
EFB223	Economics 2
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 1	
EFB331	Intermediate Microeconomics
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 2	
BSB250	Business Citizenship
Select a unit from the Core Options Unit List or The Economics Options List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics
Year 4, Semester 2	
EFB338	Contemporary Application of Economic Theory
Select a unit from the Core Options Unit List or The Economics Options List	
Core Options Units	
Select two units (24 credit points) from the following:	

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Economics Options List	
Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:	
EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 1, Semester 2	
BSB108	Business Environment
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB105	The Future Enterprise
EFB210	Finance 1
Year 2, Semester 2	
EFB201	Financial Markets
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
EFB343	Corporate Finance
EFB335	Investments
Year 3, Semester 2	
BSB250	Business Citizenship
EFB312	International Finance

Bachelor of Business / Bachelor of Data Science

Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB223	Economics 2
Year 4, Semester 2	
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2, Semester 1	
BSB111	Business Law and Ethics
Select a unit from the Core Options List	
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes	
Year 2, Semester 2	
AYB219	Taxation Law
EFB210	Finance 1
Year 3, Semester 1	
AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, Semester 1	

EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, Semester 2	
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Options Units List	
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List	
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Unit Options List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB214	Introducing People Management and Analytics
MGB200	Managing People
Year 2, Semester 2	
MGB229	Obligations and Options for Employing People
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
BSB250	Business Citizenship
MGB230	Recruiting and Selecting People
Year 3, Semester 2	
MGB331	Developing People
MGB33	Managing Performance and

9	Rewards
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
Select one unit (12 credit points) from the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
MGB306	Independent Study
Year 4, Semester 2	
MGB372	Creating Value through People
Select a unit from the Core Options Unit List	
Core Unit Options List	
Select two units (24 credit points) from the Core Options Unit List:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB210	Importing and Exporting
Select a unit from the Core Options List	
Year 2, Semester 2	
MGB225	Intercultural Communication and Negotiation Skills
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
AYB227	International Accounting

Bachelor of Business / Bachelor of Data Science

BSB250	Business Citizenship
Year 3, Semester 2	
EFB240	Finance for International Business
MGB340	International Business in the Asia-Pacific
Year 4, Semester 1	
AMB303	International Logistics
AMB336	International Marketing
Year 4, Semester 2	
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB225	Intercultural Communication and Negotiation Skills
MGB200	Managing People
Year 2, Semester 2	
MGB226	Innovation, Knowledge and Creativity
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
BSB250	Business Citizenship
Select one of the following:	

MGB210	Managing Operations
MGB227	Entrepreneurship
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.	
Year 3, Semester 2	
Select a unit from the Core Options Unit List	
Select one of the following:	
MGB335	Managing Projects
MGB324	Managing Business Growth
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.	
Year 4, Semester 1	
MGB341	Managing Risk
BSB399	Real World Ready - Business Capstone
Year 4, Semester 2	
MGB309	Managing Strategically
Select one of the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	

BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB108	Business Environment
Select a unit from the Core Options List	
Year 2, Semester 2	
AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management
Year 3, Semester 1	
AMB202	Integrated Marketing Communication
AMB201	Marketing and Audience Analytics
Year 3, Semester 2	
BSB250	Business Citizenship
AMB330	Digital Optimisation
Year 4, Semester 1	
AMB340	Services Marketing
AMB336	International Marketing
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	

Bachelor of Business / Bachelor of Data Science

BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB264	Media Relations and Publicity
AMB263	Introduction to Public Relations
Year 2, Semester 2	
AMB201	Marketing and Audience Analytics
AMB372	Public Relations Planning
Year 3, Semester 1	
BSB250	Business Citizenship
AMB374	Global Public Relations Cases
Year 3, Semester 2	
AMB375	Internal Communication and Change
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB373	Issues, Stakeholders and Reputation
Year 4, Semester 2	
AMB379	Public Relations Campaigns
Select a unit from the Core Options Unit List	
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Year	2021
QUT code	ID30
CRICOS	103858D
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

This course allows students to combine their interest in the property industry in the Australian and international economy with a data science degree and graduate with a diverse set of skills to enhance employment options in both fields. Across this double degree, students benefit from meaningful connections with high profile industry employers, practical and effective hands-on learning experiences during their studies, classes with leading and expert teachers, international study and placement opportunities, and the convenience of a city-based campus.

Course structures will be available soon.

International Course structure

This course allows students to combine their interest in the property industry in the Australian and international economy with a data science degree and graduate with a diverse set of skills to enhance employment options in both fields. Across this double degree, students benefit from

meaningful connections with high profile industry employers, practical and effective hands-on learning experiences during their studies, classes with leading and expert teachers, international study and placement opportunities, and the convenience of a city-based campus.

Course structures will be available soon.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
USB142	Residential Valuation
BSB113	Economics
Data Science Unit	
Data Science Unit	
Year 1, Semester 2	
USB145	Property Transactions
USB144	Investment Valuation
Data Science Unit	
Data Science Unit	
Year 2, Semester 1	
USB143	Money and Wealth
UXB110	Residential Construction
Data Science Unit	
Data Science Unit	
Year 2, Semester 2	
USB141	Building Big
UXB134	Land Use Planning
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
USB240	Market Analysis
USB247	Money and Property
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
USB244	Asset Performance
USB245	Property Investment Analysis
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
USB300	Property Development
USB345	Specialised Valuation
Data Science Unit	

Bachelor of Data Science / Bachelor of Property Economics

Data Science Unit	
Year 4, Semester 2	
USB344	Property Project
BSB305	Undergraduate Business Internship
Data Science Unit	
Data Science Unit	

	Internship
USB345	Specialised Valuation
Data Science Unit	
Data Science Unit	

Semesters

- [Year 1, Semester 1 \(Jul\)](#)
- [Year 1, Semester 2 \(Feb\)](#)
- [Year 2, Semester 1 \(Jul\)](#)
- [Year 2, Semester 2 \(Feb\)](#)
- [Year 3, Semester 1 \(Jul\)](#)
- [Year 3, Semester 2 \(Feb\)](#)
- [Year 4, Semester 1 \(Jul\)](#)
- [Year 4, Semester 2 \(Feb\)](#)

Code	Title
Year 1, Semester 1 (Jul)	
USB142	Residential Valuation
USB145	Property Transactions
Data Science Unit	
Data Science Unit	
Year 1, Semester 2 (Feb)	
BSB113	Economics
USB143	Money and Wealth
Data Science Unit	
Data Science Unit	
Year 2, Semester 1 (Jul)	
USB144	Investment Valuation
USB141	Building Big
Data Science Unit	
Data Science Unit	
Year 2, Semester 2 (Feb)	
UXB110	Residential Construction
USB240	Market Analysis
Data Science Unit	
Data Science Unit	
Year 3, Semester 1 (Jul)	
UXB134	Land Use Planning
USB240	Market Analysis
Data Science Unit	
Data Science Unit	
Year 3, Semester 2 (Feb)	
USB247	Money and Property
USB300	Property Development
Data Science Unit	
Data Science Unit	
Year 4, Semester 1 (Jul)	
USB245	Property Investment Analysis
USB244	Asset Performance
Data Science Unit	
Data Science Unit	
Year 4, Semester 2 (Feb)	
BSB305	Undergraduate Business

Year	2021
QUT code	ID31
CRICOS	103859C
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; phone: +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries (Information Technology); phone: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) from one of the following disciplines: Digital Media, Entertainment Industries, Journalism, or Professional Communication.

Data science component

You will complete 192 credit points of Data Science core units.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) from one of the following disciplines: Digital Media, Entertainment Industries, Journalism, or Professional Communication.

Data science component

You will complete 192 credit points of Data Science core units.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
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Bachelor of Communication / Bachelor of Data Science

Semester 1 (February) commencements	
Year 1, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
Data Science Unit	
Data Science Unit	
Year 2, Semester 2	
CCB102	Multi-Media Design
CYB106	Global Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CCB200	Digital Platforms
CCB202	Social Media, Self and Society
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
CCB201	Australian Media
CCB204	Communication Planning and Practice
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
CCB301	Communication Research Methods
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CCB302	Digital Media Analytics
CCB303	Digital Media Project
Data Science Unit	
Data Science Unit	
Year 5, Semester 1	
CCB301	Communication Research Methods
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Science Unit	
Data Science Unit	
Semester 2 (July) commencements	

Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Year 2, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
CCB102	Multi-Media Design
CYB106	Global Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
CCB201	Australian Media
CCB204	Communication Planning and Practice
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
CCB200	Digital Platforms
CCB202	Social Media, Self and Society
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CCB302	Digital Media Analytics
CCB303	Digital Media Project
Data Science Unit	
Data Science Unit	
Year 5, Semester 1	
CCB301	Communication Research Methods
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Science Unit	
Data Science Unit	

Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CDB101	Managing Media and Entertainment
CYB105	Understanding Audiences
Data Science Unit	
Data Science Unit	
Year 2, Semester 2	
CYB106	Global Media and Entertainment Industries
LWS009	Introduction to Law
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CDB201	Entertainment Strategy
LWS008	Entertainment Law
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
CDB202	Entertainment Cultures
CCB201	Australian Media
Data Science Unit	

Bachelor of Communication / Bachelor of Data Science

Data Science Unit	
Year 4, Semester 1	
CDB301	Critical Issues in the Entertainment Industries
CDB302	Entertainment Project 1: Pre-Production
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CDB303	Entertainment Project 2: Production
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Science Unit	
Data Science Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Year 2, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
CYB106	Global Media and Entertainment Industries
LWS009	Introduction to Law
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CDB101	Managing Media and Entertainment
CYB105	Understanding Audiences
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
CDB202	Entertainment Cultures
CCB201	Australian Media
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
CDB201	Entertainment Strategy
LWS008	Entertainment Law

Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CDB303	Entertainment Project 2: Production
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Science Unit	
Data Science Unit	
Year 5, Semester 1	
CDB301	Critical Issues in the Entertainment Industries
CDB302	Entertainment Project 1: Pre-Production
Data Science Unit	
Data Science Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CJB101	Newswriting
CYB101	Introduction to Communication
Data Science Unit	
Data Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
LWS011	Journalism Law
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CJB102	Visual Journalism
CYB102	Introduction to Media and

Entertainment Industries	
Data Science Unit	
Data Science Unit	
Year 2, Semester 2	
CJB103	Journalistic Inquiry
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CJB201	Feature Writing
CJB202	Production Journalism
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
CJB203	Newsroom
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
CJB302	Newsdesk
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CJB204	Journalism Ethics and Issues
CJB301	International Newsdesk
Data Science Unit	
Data Science Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Year 2, Semester 1	
CJB101	Newswriting
CYB101	Introduction to Communication
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
CJB103	Journalistic Inquiry
LWS011	Journalism Law
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CJB102	Visual Journalism
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	

Bachelor of Communication / Bachelor of Data Science

CJB203	Newsroom
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
CJB201	Feature Writing
CJB202	Production Journalism
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CJB204	Journalism Ethics and Issues
CJB301	International Newsdesk
Data Science Unit	
Data Science Unit	
Year 5, Semester 1	
CJB302	Newsdesk
Data Science Unit	
Data Science Unit	

Semesters

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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CWB101	Communication and Composition: Introduction to

	Academic Writing
CWB102	Influence and Persuasion
Data Science Unit	
Data Science Unit	
Year 2, Semester 2	
CCB102	Multi-Media Design
CWB103	Interpersonal and Intercultural Negotiation
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CCB203	Strategic Speech Communication
CWB202	Rhetoric: Public Communication Skills
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
CCB204	Communication Planning and Practice
CWB201	Corporate Writing and Editing
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
CWB301	Political Communication
CWB303	Communication Project
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CWB302	Advanced Corporate Communication
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Science Unit	
Data Science Unit	
Semester 2 (July) commencements	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Science Unit	
Data Science Unit	
Year 2, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2	
CCB102	Multi-Media Design
CWB103	Interpersonal and Intercultural Negotiation
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
CWB101	Communication and Composition: Introduction to Academic Writing
CWB102	Influence and Persuasion
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
CCB204	Communication Planning and Practice
CWB201	Corporate Writing and Editing
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
CCB203	Strategic Speech Communication
CWB202	Rhetoric: Public Communication Skills
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
CWB302	Advanced Corporate Communication
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):	
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Science Unit	
Data Science Unit	
Year 5, Semester 1	
CWB301	Political Communication
CWB303	Communication Project
Data Science Unit	
Data Science Unit	

Year	2021
QUT code	ID32
CRICOS	103860K
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dean Brough (Creative Industries); phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries (Information Technology); phone: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure Your course

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- Core units - 72 credit points

- Creative Industries introductory units - 24 credit points
- A Creative Industries major - 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Data Science component

You will complete 192 credit points of Data Science core units.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

Your course

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- Core units - 72 credit points
- Creative Industries introductory units - 24 credit points
- A Creative Industries major - 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment;

Bachelor of Creative Industries / Bachelor of Data Science

Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Data Science component

You will complete 192 credit points of Data Science core units.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

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Code	Title
Year 1, Semester 1	
KKB180	Creative Futures
A unit from the Creative Industries Introductory Unit Options List	
Data Science Unit	
Data Science Unit	
Year 1, Semester 2	
KKB185	Creative Enterprise Studio 1
A unit from the Creative Industries Introductory Unit Options List	
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
Creative Industries Major: First Unit	
Creative Industries Major: Second Unit	
Data Science Unit	
Data Science Unit	
Year 2, Semester 2	
Creative Industries Major: Third Unit	
Creative Industries Major: Fourth Unit	
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
Creative Industries Major: Fifth Unit	
Creative Industries Major: Sixth Unit	
Data Science Unit	

Data Science Unit	
Year 3, Semester 2	
KKB285	Creative Enterprise Studio 2
Creative Industries Major: Seventh Unit	
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
Creative Industries Major: Eighth Unit	
A unit from the Creative Industries WIL Unit Options List (KKB341 or KKB380):	
KKB341	Work Integrated Learning 1
KKB380	Creative Enterprise and Entrepreneurship
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
KKB385	Creative Enterprise Studio 3
Data Science Unit	
Data Science Unit	

Semesters

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Code	Title
Year 1, Semester 2	
KKB185	Creative Enterprise Studio 1
A unit from the Creative Industries Introductory Unit Options List	
Data Science Unit	
Data Science Unit	
Year 2, Semester 1	
KKB180	Creative Futures
A unit from the Creative Industries Introductory Unit Options List	
Data Science Unit	
Data Science Unit	
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, Semester 2	
Creative Industries Major: First Unit	
Creative Industries Major: Second Unit	
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
Creative Industries Major: Third Unit	
Creative Industries Major: Fourth Unit	
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	

KKB285	Creative Enterprise Studio 2
Creative Industries Major: Fifth Unit	
Data Science Unit	
Data Science Unit	
Year 4, Semester 1	
Creative Industries Major: Sixth Unit	
Creative Industries Major: Seventh Unit	
Data Science Unit	
Data Science Unit	
Year 4, Semester 2	
KKB385	Creative Enterprise Studio 3
Data Science Unit	
Data Science Unit	
Year 5, Semester 1	
Creative Industries Major: Eighth Unit	
A unit from the Creative Industries WIL Unit Options List (KKB341 or KKB380):	
KKB341	Work Integrated Learning 1
KKB380	Creative Enterprise and Entrepreneurship
Data Science Unit	
Data Science Unit	

Year	2021
QUT code	ID33
CRICOS	103861J
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

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- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

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- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation

Bachelor of Data Science / Bachelor of Laws (Honours)

minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure Semesters

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Code	Title
February commencements	
Year 1, Semester 1	
IFB104	Building IT Systems
Select either MXB100 or MXB105	
MXB100	Introductory Calculus and Algebra
MXB105	Calculus and Differential Equations
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 2	
IFB105	Database Management
MXB107	Introduction to Statistical Modelling
LLB106	Criminal Law
LLB107	Statutory Interpretation
Year 2, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB262	Visualising Data
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice

Year 2, Semester 2	
CAB201	Programming Principles
DSB100	Fundamentals of Data Science
LLH201	Legal Research
Introductory Law Elective unit or General Law Elective unit	
Year 3, Semester 1	
CAB301	Algorithms and Complexity
MXB242	Regression and Design
LLB202	Contract Law
LLB203	Constitutional Law
Year 3, Semester 2	
IAB206	Modern Data Management
Select either CAB330 or IAB303	
CAB330	Data and Web Analytics
IAB303	Data Analytics for Business Insight
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Year 4, Semester 1	
CAB420	Machine Learning
MXB344	Generalised Linear Models
General Law Elective*	
LLB301	Real Property Law
Year 4, Semester 2	
DSB300	Data Science Capstone Project
MXB362	Advanced Visualisation and Data Science
LLH206	Administrative Law
LLB303	Evidence
Year 5, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General law elective or law minor unit or non law elective or uni-wide minor unit*	
General law elective or law minor unit or non law elective or uni-wide minor unit*	
Year 5, Semester 2	
LLH305	Corporate Law
LLB306	Civil Procedure
LLH401	Legal Research Capstone
Year 6, Semester 1	
Advanced law elective	
Advanced law elective	
General law elective or law minor unit or non law elective or uni-wide minor unit*	
General law elective or law minor unit or non law elective or uni-wide minor unit*	
Law information	
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points	

of non-law electives in place of their general law electives.

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- [Year 5, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 6, Semester 2](#)
- [Law information](#)

Code	Title
July commencement	
Year 1, Semester 2	
IFB104	Building IT Systems
Select MXB100 or MXB105	
MXB100	Introductory Calculus and Algebra
MXB105	Calculus and Differential Equations
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
IFB105	Database Management
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
Year 2, Semester 2	
CAB201	Programming Principles
MXB107	Introduction to Statistical Modelling
LLB106	Criminal Law
LLB107	Statutory Interpretation
Year 2, Semester 1	
MXB242	Regression and Design
MXB262	Visualising Data
LLH201	Legal Research
LLB202	Contract Law
Year 3, Semester 2	
DSB100	Fundamentals of Data Science
IAB206	Modern Data Management
Introductory law elective or general law elective	
LLB204	Commercial and Personal Property Law
Year 3, Semester 1	
CAB301	Algorithms and Complexity
CAB420	Machine Learning
LLB203	Constitutional Law

Bachelor of Data Science / Bachelor of Laws (Honours)

General law elective	
Year 4, Semester 2	
Select CAB330 or IAB303	
CAB330	Data and Web Analytics
IAB303	Data Analytics for Business Insight
MXB362	Advanced Visualisation and Data Science
LLB205	Equity and Trusts
LLH206	Administrative Law
Year 4, Semester 1	
DSB300	Data Science Capstone Project
MXB344	Generalised Linear Models
LLB301	Real Property Law
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
Year 5, Semester 2	
LLB303	Evidence
LLH305	Corporate Law
LLB306	Civil Procedure
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
Year 5, Semester 1	
LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
Year 6, Semester 2	
LLH401	Legal Research Capstone
Advanced law elective	
Advanced law elective	
Law information	
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives as part of their general law electives.	

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law

(LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

General Law Electives List	
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments.

Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

Year	2021
QUT code	IX22
CRICOS	059595C
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,400 per year full-time (96 credit points)
Total credit points	384
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Director of Studies, QUT Business School; Dr Wayne Kelly (Information Technology); email: askqut@qut.edu.au; ph: +61 7 3138 2000
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); and Dr Anne Lane (Public Relations) Business: +61 7 3138 2050; IT: +61 7 3138 2000 Business: bus@qut.edu.au; IT: askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This double degree will give you a broad base of commercial knowledge in business and information technology. Business is highly dependent on information technology infrastructure, so having the expertise in both makes you more attractive to employers looking for multidisciplinary staff.

Businesses look for staff who can communicate well from both the business and information technology disciplines, so

having the skills and knowledge across both gives you a competitive edge over other graduates. You will have the opportunity to complement your information technology studies in either information systems or computer science with a business major in accountancy, advertising, economics, finance, human resource management, international business, management, marketing or public relations.

Career Outcomes

This double degree will give you the particular skills to acquire a role requiring knowledge in both business and information technology. These include business and systems analyst, systems manager, product manager for an information technology product, team leader for multidisciplinary staff, pre-sales consulting, after-sales support, technical manager or consultant. Future career prospects include chief financial officer, chief information officer and chief technical officer.

Study Areas

IX22 has nominated majors in Information Systems and Computer Science in the Information Technology component of the degree. There will now be a Study Area A shown on a graduate's parchment.

Professional Recognition

The Bachelor of Business degree may, subject to choice of major, allow graduates to satisfy the academic requirements for membership to a number of professional bodies. Further information is available from the discipline schools.

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Information Technology program and 192 credit points from the Bachelor of Business program.

Business component:

- Eight Business School core units (96 credit points) *
- Eight major core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy

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major units to allow them to complete professional requirements.

Information Technology component:

- Six (6) Core IT units (72 credit points - 48cp + 24cp core options)
- Ten (10) major core units (120 credit points)

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Information Technology program and 192 credit points from the Bachelor of Business program.

Business component:

- Eight Business School core units (96 credit points) *
- Eight major Core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

Information Technology component:

- Six (6) core IT units (72 credit points - 48cp + 24cp core options)
- Ten (10) major core units (120 credit points)

Sample Structure Semesters

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- [Year 2, Semester 2](#)
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- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
IT Core Unit	
IT Core Unit	
Business School Unit	
Business School Unit	
Year 1, Semester 2	
IT Core Unit	
IT Core Unit	
Business School Unit	
Business School Unit	
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Business School Unit	

Business School Unit
Year 2, Semester 2
IT Major Unit
IT Major Unit
Business School Unit
Business School Unit
Year 3, Semester 1
IT Major Unit
IT Major Unit
Business School Unit
Business School Unit
Year 3, Semester 2
IT Major Unit
IT Major Unit
Business School Unit
Business School Unit
Year 4, Semester 1
IT Major Unit
IT Major Unit
Business School Unit
Business School Unit
Year 4, Semester 2
IT Major Unit
IT Major Unit
Business School Unit
Business School Unit

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- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
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Code	Title
Year 1 Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB110	Accounting
Year 2 Semester 1	
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2 Semester 2	
AYB200	Financial Accounting
AYB225	Management Accounting
Year 3 Semester 1	
AYB230	Corporations Law
EFB210	Finance 1
Year 3 Semester 2	
AYB221	Accounting Systems and

	Analytics
AYB219	Taxation Law
Year 4 Semester 1	
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4 Semester 2	
AYB311	Financial Accounting Issues
AYB301	Audit and Assurance

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- [Year 2, Semester 2](#)
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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List:](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics
Year 2, Semester 2	
AMB220	Advertising Works
BSB108	Business Environment
Year 3, Semester 1	
AMB319	Consumers and Media Channels
BSB250	Business Citizenship
Year 3, Semester 2	
AMB318	Create Advertising
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
AMB320	Advertising Management
AMB330	Digital Optimisation
Year 4, Semester 2	
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Options Units List:	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business

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	Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groups may be undertaken.

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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)
- [Economics Options List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
EFB222	Introduction to Applied Econometrics
Select a unit from the Core Options Unit List or The Economics Options List	
*Students undertake EFB222 as one of the Economics Options Units.	
Year 2, Semester 2	
EFB223	Economics 2
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 1	
EFB331	Intermediate Microeconomics
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 2	
BSB250	Business Citizenship
Select a unit from the Core Options Unit List or The Economics Options List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics
Year 4, Semester 2	

EFB338	Contemporary Application of Economic Theory
Select a unit from the Core Options Unit List or The Economics Options List	
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Economics Options List	
Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:	
EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
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- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 1, Semester 2	
BSB108	Business Environment
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB105	The Future Enterprise
EFB210	Finance 1
Year 2, Semester 2	
EFB201	Financial Markets
Select a unit from the Core Options Unit List	

list	
Year 3, Semester 1	
EFB343	Corporate Finance
EFB335	Investments
Year 3, Semester 2	
BSB250	Business Citizenship
EFB312	International Finance
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB223	Economics 2
Year 4, Semester 2	
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2, Semester 1	
BSB111	Business Law and Ethics
Select a unit from the Core Options List	
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes	
Year 2, Semester 2	
AYB219	Taxation Law
EFB210	Finance 1
Year 3, Semester 1	

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AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, Semester 2	
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Options Units List	
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List	
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Core Unit Options List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB214	Introducing People Management and Analytics
MGB200	Managing People
Year 2, Semester 2	
MGB229	Obligations and Options for Employing People
Select a unit from the Core Options Unit List	

Year 3, Semester 1	
BSB250	Business Citizenship
MGB230	Recruiting and Selecting People
Year 3, Semester 2	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
Select one unit (12 credit points) from the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
MGB306	Independent Study
Year 4, Semester 2	
MGB372	Creating Value through People
Select a unit from the Core Options Unit List	
Core Unit Options List	
Select two units (24 credit points) from the Core Options Unit List:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Year 3, Semester 2](#)
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- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB210	Importing and Exporting

Select a unit from the Core Options List	
Year 2, Semester 2	
MGB225	Intercultural Communication and Negotiation Skills
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
AYB227	International Accounting
BSB250	Business Citizenship
Year 3, Semester 2	
EFB240	Finance for International Business
MGB340	International Business in the Asia-Pacific
Year 4, Semester 1	
AMB303	International Logistics
AMB336	International Marketing
Year 4, Semester 2	
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB225	Intercultural Communication and Negotiation Skills
MGB200	Managing People

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Year 2, Semester 2

MGB226	Innovation, Knowledge and Creativity
Select a unit from the Core Options Unit list	

Year 3, Semester 1

BSB250	Business Citizenship
Select one of the following:	
MGB210	Managing Operations
MGB227	Entrepreneurship
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.	

Year 3, Semester 2

Select a unit from the Core Options Unit List	
Select one of the following:	
MGB335	Managing Projects
MGB324	Managing Business Growth
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.	

Year 4, Semester 1

MGB341	Managing Risk
BSB399	Real World Ready - Business Capstone

Year 4, Semester 2

MGB309	Managing Strategically
Select one of the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning

Core Options Units List

Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB108	Business Environment
Select a unit from the Core Options List	
Year 2, Semester 2	
AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management
Year 3, Semester 1	
AMB202	Integrated Marketing Communication
AMB201	Marketing and Audience Analytics
Year 3, Semester 2	
BSB250	Business Citizenship
AMB330	Digital Optimisation
Year 4, Semester 1	
AMB340	Services Marketing
AMB336	International Marketing
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)

- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB264	Media Relations and Publicity
AMB263	Introduction to Public Relations
Year 2, Semester 2	
AMB201	Marketing and Audience Analytics
AMB372	Public Relations Planning
Year 3, Semester 1	
BSB250	Business Citizenship
AMB374	Global Public Relations Cases
Year 3, Semester 2	
AMB375	Internal Communication and Change
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB373	Issues, Stakeholders and Reputation
Year 4, Semester 2	
AMB379	Public Relations Campaigns
Select a unit from the Core Options Unit List	
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Year 3, Semester 2](#)
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- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
OR IT Core Unit Option	
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital

Code	Title
Systems	
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

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- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems

IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management

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IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

Year	2021
QUT code	IX23
CRICOS	078352J
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,000 per year full-time (96 credit points)
Total credit points	384
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); or Director of Studies, QUT Business School; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); Dr Anne Lane (Public Relations); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) Science: +61 7 3138 2000; Business +61 7 3138 2050 Science: askqut@qut.edu.au; Business: bus@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Your business degree will give you a broad base of commercial knowledge as well as the opportunity to major in a specific business area. This understanding of business makes you more attractive to employers, even if you wish to work predominantly in a science-based career.

Aim

Through the combination of science and business, you will equip yourself for an exciting career at the cutting edge of

scientific innovation within a range of public, private and non-profit industries.

Career outcomes

By combining your science studies with business you will develop the entrepreneurial skills necessary to sell your abilities to a range of employers. As well as the range of science-based careers available such as a scientific modeller, engineering software developer, scientific programmer, and computational scientist you could expect to gain employment as a consultant, marketer, or project manager within firms developing and taking scientific research to the marketplace.

Professional membership

Both degrees allow you to satisfy the requirements of membership of the relevant professional body for your chosen majors.

Non-standard attendance

Field work is a requirement of some areas of science.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor Science program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) *
- eight major core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor Science program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School Core units (96 credit points) *
- eight Major Core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

Sample Structure

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- [Year 4, Semester 2](#)
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- [Year 4, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	

SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry

CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester 2 (July) commencements	
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science Core Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

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- [Year 2, Semester 2](#)
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- [Year 3, Semester 2](#)
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- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

Bachelor of Science/Bachelor of Business

- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy

ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	

ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	

MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3, Semester 1	
PVB200	Computational and Mathematical Physics
PVB203	Experimental Physics
Year 3, Semester 2	
PVB202	Mathematical Methods in Physics
PVB204	Electromagnetism
Year 4, Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Semester 2 (July) commencements	
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science Core Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3, Semester 1	
PVB200	Computational and Mathematical Physics
PVB203	Experimental Physics
Year 3, Semester 2	
PVB202	Mathematical Methods in Physics
PVB204	Electromagnetism
Year 4, Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

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- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB111	Business Law and Ethics
BSB110	Accounting
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional accreditation.	
Year 2, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 2, Semester 2	
AYB225	Management Accounting
AYB200	Financial Accounting
Year 3, Semester 1	
AYB221	Accounting Systems and Analytics
EFB210	Finance 1
Year 3, Semester 2	
AYB230	Corporations Law
AYB219	Taxation Law
Year 4, Semester 1	
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4, Semester 2	
AYB311	Financial Accounting Issues
AYB301	Audit and Assurance

Semesters

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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List:](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and

	Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics
Year 2, Semester 2	
AMB220	Advertising Works
BSB108	Business Environment
Year 3, Semester 1	
AMB319	Consumers and Media Channels
BSB250	Business Citizenship
Year 3, Semester 2	
AMB318	Create Advertising
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
AMB320	Advertising Management
AMB330	Digital Optimisation
Year 4, Semester 2	
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Options Units List:	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

“Select a unit from the Economics Options List or the Core Options Unit List” is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groups may be undertaken.

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- [Core Options Units](#)
- [Economics Options List](#)

Bachelor of Science/Bachelor of Business

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
EFB222	Introduction to Applied Econometrics
Select a unit from the Core Options Unit List or The Economics Options List	
*Students undertake EFB222 as one of the Economics Options Units.	
Year 2, Semester 2	
EFB223	Economics 2
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 1	
EFB331	Intermediate Microeconomics
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 2	
BSB250	Business Citizenship
Select a unit from the Core Options Unit List or The Economics Options List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics
Year 4, Semester 2	
EFB338	Contemporary Application of Economic Theory
Select a unit from the Core Options Unit List or The Economics Options List	
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Economics Options List	
Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:	
EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics

EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 1, Semester 2	
BSB108	Business Environment
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB105	The Future Enterprise
EFB210	Finance 1
Year 2, Semester 2	
EFB201	Financial Markets
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
EFB343	Corporate Finance
EFB335	Investments
Year 3, Semester 2	
BSB250	Business Citizenship
EFB312	International Finance
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB223	Economics 2
Year 4, Semester 2	
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics

BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
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- [Year 2, Semester 2](#)
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- [Year 4, Semester 1](#)
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- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2, Semester 1	
BSB111	Business Law and Ethics
Select a unit from the Core Options List	
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes	
Year 2, Semester 2	
AYB219	Taxation Law
EFB210	Finance 1
Year 3, Semester 1	
AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, Semester 2	
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Options Units List	
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List	
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business

Bachelor of Science/Bachelor of Business

	Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Core Unit Options List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB214	Introducing People Management and Analytics
MGB200	Managing People
Year 2, Semester 2	
MGB229	Obligations and Options for Employing People
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
BSB250	Business Citizenship
MGB230	Recruiting and Selecting People
Year 3, Semester 2	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
Select one unit (12 credit points) from the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
MGB306	Independent Study
Year 4, Semester 2	
MGB372	Creating Value through People
Select a unit from the Core Options Unit List	

Core Unit Options List

Select two units (24 credit points) from the Core Options Unit List:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB210	Importing and Exporting
Select a unit from the Core Options Unit List	
Year 2, Semester 2	
MGB225	Intercultural Communication and Negotiation Skills
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
AYB227	International Accounting
BSB250	Business Citizenship
Year 3, Semester 2	
EFB240	Finance for International Business
MGB340	International Business in the Asia-Pacific
Year 4, Semester 1	
AMB303	International Logistics
AMB336	International Marketing
Year 4, Semester 2	
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Options Units	
Select two units (24 credit points) from the following:	

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB225	Intercultural Communication and Negotiation Skills
MGB200	Managing People
Year 2, Semester 2	
MGB226	Innovation, Knowledge and Creativity
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
BSB250	Business Citizenship
Select one of the following:	
MGB210	Managing Operations
MGB227	Entrepreneurship
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.	
Year 3, Semester 2	
Select a unit from the Core Options Unit List	
Select one of the following:	
MGB335	Managing Projects
MGB324	Managing Business Growth
Students undertaking the Management	

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stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.

Year 4, Semester 1

MGB341	Managing Risk
BSB399	Real World Ready - Business Capstone

Year 4, Semester 2

MGB309	Managing Strategically
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Select one of the following:

MGB310	Managing Sustainable Change
MGB338	Workplace Learning

Core Options Units List

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB108	Business Environment
Select a unit from the Core Options List	
Year 2, Semester 2	
AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management
Year 3, Semester 1	
AMB202	Integrated Marketing Communication

AMB201	Marketing and Audience Analytics
Year 3, Semester 2	
BSB250	Business Citizenship
AMB330	Digital Optimisation
Year 4, Semester 1	
AMB340	Services Marketing
AMB336	International Marketing
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

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- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB264	Media Relations and Publicity
AMB263	Introduction to Public Relations
Year 2, Semester 2	
AMB201	Marketing and Audience Analytics
AMB372	Public Relations Planning
Year 3, Semester 1	
BSB250	Business Citizenship
AMB374	Global Public Relations Cases
Year 3, Semester 2	
AMB375	Internal Communication and Change

Select a unit from the Core Options Unit List

Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
AMB373	Issues, Stakeholders and Reputation

Year 4, Semester 2

AMB379	Public Relations Campaigns
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Select a unit from the Core Options Unit List

Core Options Units List

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Year	2021
QUT code	IX30
CRICOS	059601K
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$31,700 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Director of Studies, QUT Business School; or Professor Tim Moroney (Mathematics); email: askqut@qut.edu.au; ph: +61 7 3138 2000
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); and Dr Anne Lane (Public Relations). Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Decision Science/Operations Research; and Statistics) Business +61 7 3138 2050; Maths: +61 7 3138 2000 Business Student Services: bus@qut.edu.au; Mathematics: askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Your Business studies will combine the broad knowledge of business practice and in depth studies in at least one business discipline area in the Bachelor of Business with the advanced quantitative skills and problem solving abilities that you will develop with the Bachelor of Mathematics.

You will develop the ability to apply mathematics, statistics, computational methods and decision science to real world problems. You will also gain understanding of the broad principles of Business at the same time as developing the skills and discipline knowledge necessary to enter the business career of your choice.

Career Outcomes

Combining business and mathematics offers diverse and sustainable career opportunities.

Business graduates are equipped to undertake sophisticated economic and financial modelling which is important in

business and government decision making. Quantitative analysts are employed by the financial sector in order to optimise returns both in the short and long-term. Graduates may also become actuarial trainees in the insurance and superannuation area although further study is required in order to qualify as an actuary.

Business graduates may find employment as Accountants, Advertising Professionals, Banking and Finance Consultants, Economists, Human Resource Managers, International Business Specialists, Managers, Marketing Officers, Public Relations Officers.

Mathematics graduates are employed across a wide range of areas. These include, but are not limited to, finance, investment, data analytics, defence and national security, research, information technology, environmental science, health, management, marketing, logistics, media, and education. In addition to their knowledge and skills in mathematics, graduates are also highly valued for their analytical and problem-solving skills. Development of skills in communication, problem-solving, critical thinking and teamwork form an integral part of the course.

Favourable career outcomes for Bachelor of Mathematics graduates are likely due to the current demand for qualified statisticians and mathematicians.

Professional Recognition

Both degrees allow you to satisfy the requirements of membership of the relevant professional body for your chosen majors.

Financial Support

You should consider applying for an industry-sponsored mathematics bursary or a business scholarship to help you financially throughout your studies. For further information visit [Scholarships](#).

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Mathematics program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) including MGB227 (see below)*

Bachelor of Business/Bachelor of Mathematics

- eight major core units (96 credit points)

*Please note that BSB123 Data Analysis (one of the Business School core units) is not required as the content of MXB107 covers similar topics.

MGB227 Entrepreneurship replaces BSB123.

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

Mathematics component:

- six core units (72 credit points), which are further divided into four mathematics core units (48 credit points), and two core option units (24 credit points) selected from an approved list
- 10 major core units (120 credit points)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Mathematics program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) including MGB227 (see below)*
- eight major core units (96 credit points)

*Please note that BSB123 Data Analysis (one of the Business School core units) is not required as the content of MXB107 covers similar topics. MGB227 Entrepreneurship replaces BSB123.

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

Mathematics component:

- Six core units (72 credit points), which are further divided into four mathematics core units (48 credit points), and two core option units (24 credit points) selected from an approved list
- 10 major core units (120 credit points)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems.

Sample Structure Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Unit

Year 1 Semester 2	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Unit
Year 2 Semester 1	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Option Unit
Year 2 Semester 2	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Unit
Year 3 Semester 1	
	Business School Unit
	Business School Unit
	Maths Common Major Unit
	Maths Major Unit
Year 3 Semester 2	
	Business School Unit
	Business School Unit
	Maths Common Major Unit
	Maths Major Unit
Year 4 Semester 1	
	Business School Unit
	Business School Unit
	Maths Major Unit
	Maths Major Unit
Year 4 Semester 2	
	Business School Unit
	Business School Unit
	Maths Major Unit
	Maths Major Unit (Capstone)

Semesters

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- [Year 2, Semester 1](#)
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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB111	Business Law and Ethics
BSB110	Accounting
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional	

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accreditation.	
Year 2, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 2, Semester 2	
AYB225	Management Accounting
AYB200	Financial Accounting
Year 3, Semester 1	
AYB221	Accounting Systems and Analytics
EFB210	Finance 1
Year 3, Semester 2	
AYB230	Corporations Law
AYB219	Taxation Law
Year 4, Semester 1	
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4, Semester 2	
AYB311	Financial Accounting Issues
AYB301	Audit and Assurance

Semesters

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- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List:](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics
Year 2, Semester 2	
AMB220	Advertising Works
BSB108	Business Environment
Year 3, Semester 1	
AMB319	Consumers and Media Channels
BSB250	Business Citizenship
Year 3, Semester 2	
AMB318	Create Advertising
Select a unit from the Core Options Unit List	
Year 4, Semester 1	

AMB320	Advertising Management
AMB330	Digital Optimisation
Year 4, Semester 2	
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Options Units List:	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

“Select a unit from the Economics Options List or the Core Options Unit List” is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groups may be undertaken.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)
- [Economics Options List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
EFB222	Introduction to Applied Econometrics
Select a unit from the Core Options Unit List or The Economics Options List	
*Students undertake EFB222 as one of the Economics Options Units.	
Year 2, Semester 2	
EFB223	Economics 2
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 1	

EFB331	Intermediate Microeconomics
Select a unit from the Core Options Unit List or The Economics Options List	
Year 3, Semester 2	
BSB250	Business Citizenship
Select a unit from the Core Options Unit List or The Economics Options List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics
Year 4, Semester 2	
EFB338	Contemporary Application of Economic Theory
Select a unit from the Core Options Unit List or The Economics Options List	
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Economics Options List	
Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:	
EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

Semesters

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- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets

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BSB107	Financial Performance and Responsibility
Year 1, Semester 2	
BSB108	Business Environment
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB105	The Future Enterprise
EFB210	Finance 1
Year 2, Semester 2	
EFB201	Financial Markets
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
EFB343	Corporate Finance
EFB335	Investments
Year 3, Semester 2	
BSB250	Business Citizenship
EFB312	International Finance
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB223	Economics 2
Year 4, Semester 2	
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise

BSB106	Dynamic Markets
Year 2, Semester 1	
BSB111	Business Law and Ethics
Select a unit from the Core Options List	
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes	
Year 2, Semester 2	
AYB219	Taxation Law
EFB210	Finance 1
Year 3, Semester 1	
AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, Semester 2	
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Options Units List	
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List	
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

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- [Year 2, Semester 2](#)
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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
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- [Core Unit Options List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	

BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB214	Introducing People Management and Analytics
MGB200	Managing People
Year 2, Semester 2	
MGB229	Obligations and Options for Employing People
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
BSB250	Business Citizenship
MGB230	Recruiting and Selecting People
Year 3, Semester 2	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
Select one unit (12 credit points) from the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
MGB306	Independent Study
Year 4, Semester 2	
MGB372	Creating Value through People
Select a unit from the Core Options Unit List	
Core Unit Options List	
Select two units (24 credit points) from the Core Options Unit List:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)

Bachelor of Business/Bachelor of Mathematics

- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB210	Importing and Exporting
Select a unit from the Core Options List	
Year 2, Semester 2	
MGB225	Intercultural Communication and Negotiation Skills
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
AYB227	International Accounting
BSB250	Business Citizenship
Year 3, Semester 2	
EFB240	Finance for International Business
MGB340	International Business in the Asia-Pacific
Year 4, Semester 1	
AMB303	International Logistics
AMB336	International Marketing
Year 4, Semester 2	
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
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- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB225	Intercultural Communication and Negotiation Skills
MGB200	Managing People
Year 2, Semester 2	
MGB226	Innovation, Knowledge and Creativity
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
BSB250	Business Citizenship
Select one of the following:	
MGB210	Managing Operations
MGB227	Entrepreneurship
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.	
Year 3, Semester 2	
Select a unit from the Core Options Unit List	
Select one of the following:	
MGB335	Managing Projects
MGB324	Managing Business Growth
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.	
Year 4, Semester 1	
MGB341	Managing Risk
BSB399	Real World Ready - Business Capstone
Year 4, Semester 2	
MGB309	Managing Strategically
Select one of the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
Core Options Units List	
Select two units (24 credit points) from	

the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

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- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB108	Business Environment
Select a unit from the Core Options List	
Year 2, Semester 2	
AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management
Year 3, Semester 1	
AMB202	Integrated Marketing Communication
AMB201	Marketing and Audience Analytics
Year 3, Semester 2	
BSB250	Business Citizenship
AMB330	Digital Optimisation
Year 4, Semester 1	
AMB340	Services Marketing
AMB336	International Marketing
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics

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BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB264	Media Relations and Publicity
AMB263	Introduction to Public Relations
Year 2, Semester 2	
AMB201	Marketing and Audience Analytics
AMB372	Public Relations Planning
Year 3, Semester 1	
BSB250	Business Citizenship
AMB374	Global Public Relations Cases
Year 3, Semester 2	
AMB375	Internal Communication and Change
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB373	Issues, Stakeholders and Reputation
Year 4, Semester 2	
AMB379	Public Relations Campaigns
Select a unit from the Core Options Unit List	
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship

BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Applied and Computational Mathematics Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- [Operations Research Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)

- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- [Statistical Science Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Statistical Science Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential

Bachelor of Business/Bachelor of Mathematics

	Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Year	2021
QUT code	IX56
CRICOS	059227E
Duration (full-time)	4 years
OP	11
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
International fee (indicative)	2018: \$29,400 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dean Brough (Creative Industries); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Wayne Kelly (Computer Science); Dr Erwin Fieft (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This double degree allows you to complement your technical skills with creative skills through digital media and film production. You will learn to merge the creative and imaginative with the technical to develop sophisticated and innovative digital products. You can choose to complement your skill set through a range of information technology and creative industries areas of interest to diversify your studies, including:

- animation

- art and design history
- creative and professional writing
- dance studies
- digital media
- entertainment industries
- entrepreneurship
- fashion communication
- film, television and screen game design
- interactive and visual design
- journalism, media and communication
- literary studies
- music
- online environments

Career Outcomes

As a graduate you can enjoy the more creative side of information technology careers including digital media programmer, simulation designer or developer, games producer or designer, sound designer, mobile entertainment and communications developer, user interface developer, knowledge worker in music and sound, web developer and digital product strategist.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Course Design

You will undertake the Bachelor of Creative Industries core units as well as one creative industries major. Your information technology degree component comprises eight core units, four breadth units, and four units in your information technology specialisation.

Study Areas

The Bachelor of Information Technology has majors in Information Systems and Computer Science which will be shown on the a graduate's parchment.

Pathways to Further Studies

On successful completion of this course, you will be eligible to apply for entry into the Bachelor of Creative Industries (Honours), provided you have met entry requirements.

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

Work Integrated Learning

The Faculty's Work Integrated Learning Minor gives you the opportunity of industry placement during your course where you can integrate real experience with what you're learning in your degree. Companies that QUT's students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNITAB, RACQ and many Queensland Government departments.

Unit

Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:

[Undergraduate Translation Table](#)

If you have completed the unit(s) listed under the "Translation Unit Codes" column, you are not permitted to enrol in the listed new code.

Domestic Course structure

You will undertake the Bachelor of Creative Industries core units (96 credit points) as well as 96 credit points from a creative industries major.

The Bachelor of Information Technology degree comprises of:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option units* selected from an approved list
- 120 credit points (10 units) of major core units (Information Systems or Computer Science).

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

You will undertake the Bachelor of Creative Industries 96cp core units as well as 96cp from a creative industries major.

The Bachelor of Information Technology degree comprises of ;

- 72 credit points (6 units) of Information Technology Core units, which includes 24 credit points (2 units) of Option Units* selected from

an approved list.

- 120 credit points (10 units) of Major Core units (Information Systems or Computer Science).

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
	IT Core Unit
	IT Core Unit
KKB101	Creative Industries: People and Practices
Creative Industries Major: First Unit	
Year 1, Semester 2	
	IT Core Unit
	IT Core Unit
KKB102	Creative Industries: Making Connections
Creative Industries Major: Second Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
	IT Core Unit Option
	IT Core Unit Option
A unit from the Level 1 Unit Options (either DXB102 or KPB101 or KVB104):	
DXB102	Visual Communication
KPB101	Introduction to Screen Production
KVB104	Photo Media and Art Practice
Creative Industries Major: Third Unit	
Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.	
Year 2, Semester 2	

IT Major Unit	
IT Major Unit	
A unit from the Level 2 Unit Options (either KKB285 or KYB201):	
KKB285	Creative Enterprise Studio 2
KYB201	Socially Engaged Arts Practice
Creative Industries Major: Fourth Unit	
Note: KXB202 Project Management for Entertainment and KTB211 Creative Industries Events and Festivals are permitted to count as a 'Level 2 Unit Option'.	
Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.	
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Fifth Unit	
A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists	
Year 3, Semester 2	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Sixth Unit	
A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists	
Year 4, Semester 1	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Seventh Unit	
A unit from the Creative Industries Work Integrated Learning Unit Options	
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Eighth Unit	
A unit from the Creative Industries Work Integrated Learning Unit Options	

Year	2021
QUT code	IX69
CRICOS	064812A
Duration (full-time)	4 years
OP	11
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
International fee (indicative)	2018: \$29,600 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design (Creative Industries); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Anastasia Tyurina (Interactive and Visual Design); Dr Wayn Kelly (Computer Science) and Dr Erwin Fieft (Information Systems). +61731382000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Career Outcomes

This double degree will set you up for a career in the rapidly expanding fields of contemporary communication and the application of new media technologies.

Course Structure

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study Areas

The Bachelor of Information Technology will not have nominated majors and minors and consequently there will not be a Study Area A shown on a graduate's parchment. Instead, it will have specialisations. The specialisation areas that will be available for students will include:

- Business Process Management

- Data Warehousing
- Digital Environments
- Enterprise Systems
- Information Management
- Network Systems
- Software Engineering
- Web Technologies

Pathways to Further Studies

In 2001, an accelerated Honours program was introduced to increase the number of Bachelor of Information Technology students continuing their studies to complete the Honours year. The program allowed selected high achieving students the opportunity to undertake one postgraduate unit in the final semester of their a BIT degree (or double degree) which would be counted both for completion of the degree and towards the Honours program. The program also provided students with the opportunity to commence their Honours studies over the Summer Semester.

An alternative to the Honours program is the Master of Information Technology (Research). Students who complete a BIT degree (or double degree) with a grade point average equal to, or greater than 5 (7 point scale) and who have decided against enrolling in an Honours program, could undertake this course. In addition, students may wish to enrol in the re-designed postgraduate coursework Masters which has ten specialisations allowing students to either extend their area of interest or specialise in other areas at the Masters level.

Alternatively, on successful completion of this course you will be eligible to apply for entry into the Bachelor of Fine Arts (Honours), provided you have met entry requirements.

Cooperative Education

The Faculty of Science and Engineering's Cooperative Education Program gives you the opportunity of 10-12 months paid industry placement during your course where you can integrate real experience with what you're learning in your degree. Companies that QUT's Coop Ed students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNiTAB, RACQ and many Queensland Government departments. The Coop Ed Program is available to Australian citizens and permanent residents only.

Find out more about the [Cooperative Education Program](#).

Domestic Course structure

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study areas

The Bachelor of Information Technology has majors in information systems and computer science. The major study area will be shown on a graduate's parchment.

Study overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

Course Structure

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study Areas

The Bachelor of Information Technology has majors in Information Systems and Computer Science. The Major Study Area A will be shown on a graduate's parchment.

Study Overseas

[Study overseas](#) while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
IFB101	Impact of IT
IFB102	Introduction to Computer Systems
DXB101	Design and Creative Thinking

DXB102	Visual Communication
Year 1, Semester 2	
IFB130	Database Management
IFB104	Building IT Systems
DXB201	Visual Interactions
DXB203	Introduction to Web Design
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
IT Core Unit Option	
IFB103	IT Systems Design
DXB403	Design for Interactive Media
KNB126	Motion Design
Year 2, Semester 2	
IT Major Unit	
IT Major Unit	
DXB202	Image Production
KNB136	Visual Storytelling: Production Design
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
DVB201	Typographic Design
DXB301	Interface Design
Year 3, Semester 2	
IT Major Unit	
IT Major Unit	
DVB203	Theories and Methods of Visual Communication
DXB401	Advanced Web Design
Year 4, Semester 1	
IT Major Unit	
IT Major Unit	
DXH702	Contemporary Issues in IVD
SEMESTER 1 UNIT OPTIONS	
One unit from the Semester 1 Unit Options (DXB212 or DVB302):	
DVB302	Data Visualisation and Information Design
DXB212	Tangible Media
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
DXH803	Professional Practice for Designers
SEMESTER 2 UNIT OPTIONS	
One unit from the Semester 2 Unit Options (DXH601 or DXH602):	
DXH601	Integrated Experience Design
DXH602	Embodied Interactions

Year	2021
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.au
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Dr Konstantin Momot (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 2000; Law: +61 7 3138 2707 Science: askqut@qut.edu.au; Law: law_enquiries@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the

Australian Higher Education Graduation Statement.

Total Law credit points: 336
Total credit points for core units: 240
Total credit points for elective units: 96 Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories. Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.

Bachelor of Science/Bachelor of Laws (Honours)

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations. Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at [deferment](#)

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the [Bachelor of Science](#) (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may

select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the [Bachelor of Science](#) (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of

the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)
- [Year 5 Semester 2](#)
- [Year 6 Semester 1](#)
- [Law Elective Information*](#)

Code	Title
Year 1 Semester 1	
LLB101	Introduction to Law
LLB102	Torts
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
Science Core Unit Option	

Bachelor of Science/Bachelor of Laws (Honours)

Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics)

From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication

Year 2 Semester 1

LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science

Year 2 Semester 2

LLH201	Legal Research
Introductory Law Elective unit or General Law elective unit	
Science Major Unit	
Science Major Unit	

Year 3 Semester 1

LLB202	Contract Law
LLB203	Constitutional Law
Science Major Unit	
Science Major Unit	

Year 3 Semester 2

LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Science Major Unit	
Science Major Unit	

Year 4 Semester 1

LLB301	Real Property Law
General Law Elective unit*	
Science Major Unit	
Science Major Unit	

Year 4 Semester 2

LLB303	Evidence
LLH206	Administrative Law
Science Major Unit	
Science Major Unit	

Year 5 Semester 1

LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	

Year 5 Semester 2

LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	

Year 6 Semester 1

LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
Law Elective Information*	
Law students may complete up to 4 non-law electives or a university wide minor in place of 4 of general law electives.	
From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so	

Semesters

- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)
- [Year 6, Semester 1](#)
- [Year 6, Semester 2](#)
- [*Law Elective Information](#)

Code	Title
Year 1, Semester 2	
LLB101	Introduction to Law
LLB102	Torts
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Science Major Unit	
Science Major Unit	
Year 3, Semester 1	
LLB202	Contract Law
LLH201	Legal Research
Science Major Unit	
Science Major Unit	
Year 3, Semester 2	
LLB204	Commercial and Personal Property Law
Introductory Law Elective unit or General Law Elective	
Science Major Unit	
Science Major Unit	

Year 4, Semester 1	
LLB203	Constitutional Law
General Law Elective unit	
Science Major Unit	
Science Major Unit	
Year 4, Semester 2	
LLB205	Equity and Trusts
LLH206	Administrative Law
Science Major Unit	
Science Major Unit	
Year 5, Semester 1	
LLB301	Real Property Law
General Law Elective or Non-law Elective or Minor Unit*	
Science Major Unit	
Science Major Unit (Capstone)	
Year 5, Semester 2	
LLB303	Evidence
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 2	
LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
*Law Elective Information	
Law students may complete up to 4 non-law electives or a university wide minor in place of 4 general law electives	
From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so	

Semesters

- [Year 1 Semester 1](#)
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- [Year 2 Semester 1](#)
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- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	

Bachelor of Science/Bachelor of Laws (Honours)

Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB301	Animal Biology
BVB202	Experimental Design and Quantitative Methods
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment

Year 4 Semester 2	
BVB313	Population Genetics and Molecular Ecology
BVB304	Integrative Biology
Year 5 Semester 1	
Science Core Option	
Major Option	

Semesters

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- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

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- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

- [Year 5, Semester 1](#)

Code	Title
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, Semester 2	
CVB303	Coordination Chemistry
MXB100	Introductory Calculus and Algebra
Year 5, Semester 1	
CVB304	Chemistry Research Project
Science Core Option	

Semesters

- [Year 1 Semester 1](#)
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- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	

Bachelor of Science/Bachelor of Laws (Honours)

ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

- [Year 1 Semester 2](#)
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- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5 Semester 1	
Science Core Option	

Major Option

Semesters

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- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

Semesters

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1

SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5 Semester 1	
Science Core Option	
Major Option	

Semesters

- [Year 1 Semester 1](#)
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- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and

Bachelor of Science/Bachelor of Laws (Honours)

	Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 2](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1
MXB100	Introductory Calculus and Algebra
Year 2 Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5 Semester 2	
SEB116	Experimental Science 2
Science Core Option	

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You

can check this by referring to the unit outlines on [QUT Virtual](#).

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

General Law Electives List	
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments.

Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
Choose four units to complete the minor	
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB341	Artificial Intelligence, Robots and the Law
LLB345	Regulating the Internet

Year	2021
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly (Information Technology); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs email: law_enquiries@qut.edu.au
Discipline Coordinator	IT: Dr Wayne Kelly (Computer Science); and Dr Erwin Fieft (Information Systems); Law: Director of Undergraduate Programs IT: +61 7 3138 2000; Law: +61 7 3138 2707 IT: askqut@qut.edu.au; Law: law_enquiries@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course structure information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

- 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 120 credit points (10 units) of Major Core units

Information Technology Majors
Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List
The Bachelor of Information Technology

Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336
Total credit points for core units: 240
Total credit points for elective units: 96

Honours Level Units
96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

Graduates may develop careers in cyberlaw, intellectual property and privacy, dealing with the legal regulation of the Internet including downloading music, mobile phone camera use or copyright issues. You may become a

Bachelor of Information Technology/Bachelor of Laws (Honours)

legal practitioner, barrister, in-house counsel, government lawyer or policy adviser. There is also increased demand for roles in edemocracy both in e-government service delivery and political campaigning.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations. Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Pathways to Further Studies

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

On successful completion of the Bachelor of Laws, there are a number of further study options open to you. The Bachelor of Laws meets the entry requirements for Practical Legal Training courses (for example, the QUT Graduate Diploma in Legal Practice). In addition, successful completion of the law degree will allow you to pursue postgraduate opportunities through research- and coursework-based higher degrees in law.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at [deferment](#)

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit

points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors

Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List

The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)

- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors

Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List

The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)

Bachelor of Information Technology/Bachelor of Laws (Honours)

- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Semesters

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- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
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- [Year 3, Semester 1](#)
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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)
- [Year 6, Semester 1](#)
- [Law Elective Information](#)

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
LLB106	Criminal Law
LLB107	Statutory Interpretation
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
Year 2, Semester 2	
IT Major Unit	
IT Major Unit	
Introductory Law Elective unit of General Law Elective unit	
LLH201	Legal Research
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
LLB202	Contract Law

LLB203	Constitutional Law
Year 3, Semester 2	
IT Major Unit	
IT Major Unit	
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Year 4, Semester 1	
IT Major Unit	
IT Major Unit	
LLB301	Real Property Law
General Law Elective unit	
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
LLB303	Evidence
LLH206	Administrative Law
Year 5, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General Law Elective or Non-law Elective or University-wide Minor Unit	
General Law Elective or Non-law Elective or University-wide Minor Unit	
Year 5, Semester 2	
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or University-wide Minor Unit	
General Law Elective or Non-law Elective or University-wide Minor Unit	
Year 6, Semester 1	
LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
Law Elective Information	
Law Students may complete up to 4 non-law electives or a university wide minor comprised of 4 units in place of the equivalent number of general law electives.	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
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- [Year 3, Semester 1](#)
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- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management

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Year 4, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements

Analysis	
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement

IAB402	Information Systems Consulting
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Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

General Law Electives List	
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A

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LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

LLB341	Artificial Intelligence, Robots and the Law
LLB345	Regulating the Internet

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments.

Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
Choose four units to complete the minor	
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech

Year	2021
QUT code	IX93
CRICOS	092651C
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,500 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Director of Studies, QUT Business School; or Associate Professor Ross Brown (Games and Interactive Environment)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Business component:

- 8 units (96 credit points) of Business School core units
- 8 units (96 credit points) of Major core units*

* Please note Accounting major students complete 6 business core units (72 credit points) and 10 accountancy major units (120 credit points) to allow them to complete professional requirements.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units**

selected from an approved list.

- 10 units (120 credit points) of Major core units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environments, Information Technology. The core option choices can be used to complement your Major studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Business component:

- 8 units (96 credit points) of Business School core units
- 8 units (96 credit points) of Major core units*

* Please note Accounting major students complete 6 business core units (72 credit points) and 10 accountancy major units (120 credit points) to allow them to complete professional requirements.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units** selected from an approved list.
- 10 units (120 credit points) of Major core units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environments, Information Technology. The core option choices can be used to complement your Major studies.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Bachelor of Business/Bachelor of Games and Interactive Environments

Code	Title
Year 1, Semester 1	
	Business School Core Unit
	Business School Core Unit
	BGIE Core Unit
	BGIE Core Unit
Year 1, Semester 2	
	Business School Core Unit
	Business School Core Unit
	BGIE Core Unit
	BGIE Core Unit
Year 2, Semester 1	
	Business School Core Unit
	Business School Core Unit
	BGIE Major Unit (Studio)
	BGIE Core Unit Option
Year 2, Semester 2	
	Business School Core Unit
	Business School Major Unit
	BGIE Major Unit
	BGIE Major Unit
Year 3, Semester 1	
	Business School Major Unit
	Business School Major Unit
	BGIE Major Unit
	BGIE Core Unit Option
Year 3, Semester 2	
	Business School Major Unit
	Business School Major Unit
	BGIE Major Unit (Studio)
	BGIE Major Unit
Year 4, Semester 1	
	Business School Major Unit
	Business School Major Unit
	BGIE Major Unit
	BGIE Major Unit (Capstone)
Year 4, Semester 2	
	Business School Major Unit
	Business School Major Unit
	BGIE Major Unit (Capstone)
	BGIE Major Unit (Studio)

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility

BSB108	Business Environment
Year 1, Semester 2	
BSB111	Business Law and Ethics
BSB110	Accounting
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional accreditation.	
Year 2, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 2, Semester 2	
AYB225	Management Accounting
AYB200	Financial Accounting
Year 3, Semester 1	
AYB221	Accounting Systems and Analytics
EFB210	Finance 1
Year 3, Semester 2	
AYB230	Corporations Law
AYB219	Taxation Law
Year 4, Semester 1	
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4, Semester 2	
AYB311	Financial Accounting Issues
AYB301	Audit and Assurance

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List:](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics
Year 2, Semester 2	
AMB220	Advertising Works
BSB108	Business Environment
Year 3, Semester 1	
AMB319	Consumers and Media

	Channels
BSB250	Business Citizenship
Year 3, Semester 2	
AMB318	Create Advertising
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
AMB320	Advertising Management
AMB330	Digital Optimisation
Year 4, Semester 2	
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Options Units List:	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groups may be undertaken.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)
- [Economics Options List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
EFB222	Introduction to Applied Econometrics
Select a unit from the Core Options Unit List or The Economics Options List	

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*Students undertake EFB222 as one of the Economics Options Units.

Year 2, Semester 2

EFB223 Economics 2

Select a unit from the Core Options Unit List or The Economics Options List

Year 3, Semester 1

EFB331 Intermediate Microeconomics

Select a unit from the Core Options Unit List or The Economics Options List

Year 3, Semester 2

BSB250 Business Citizenship

Select a unit from the Core Options Unit List or The Economics Options List

Year 4, Semester 1

BSB399 Real World Ready - Business Capstone

EFB330 Intermediate Macroeconomics

Year 4, Semester 2

EFB338 Contemporary Application of Economic Theory

Select a unit from the Core Options Unit List or The Economics Options List

Core Options Units

Select two units (24 credit points) from the following:

BSB130 Social Enterprises

BSB131 Applied Business Analytics

BSB305 Undergraduate Business Internship

BSB110 Accounting

BSB111 Business Law and Ethics

BSB009 Experiential Learning: Innovation, Ideas and Enterprise Skills

Economics Options List

Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:

EFB222 Introduction to Applied Econometrics

EFB332 Applied Behavioural Economics

EFB333 Applied Econometrics

EFB337 Game Theory and Applications

EFB201 Financial Markets

EFB225 Economics for the Real World

EFB226 Environmental Economics and Policy

EFB336 International Economics

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)

- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 1, Semester 2	
BSB108	Business Environment
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB105	The Future Enterprise
EFB210	Finance 1
Year 2, Semester 2	
EFB201	Financial Markets
Select a unit from the Core Options Unit list	
Year 3, Semester 1	
EFB343	Corporate Finance
EFB335	Investments
Year 3, Semester 2	
BSB250	Business Citizenship
EFB312	International Finance
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
EFB223	Economics 2
Year 4, Semester 2	
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2, Semester 1	
BSB111	Business Law and Ethics
Select a unit from the Core Options List	
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes	
Year 2, Semester 2	
AYB219	Taxation Law
EFB210	Finance 1
Year 3, Semester 1	
AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, Semester 2	
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Options Units List	
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List	
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

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• [Core Unit Options List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB214	Introducing People Management and Analytics
MGB200	Managing People
Year 2, Semester 2	
MGB229	Obligations and Options for Employing People
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
BSB250	Business Citizenship
MGB230	Recruiting and Selecting People
Year 3, Semester 2	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
Select one unit (12 credit points) from the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
MGB306	Independent Study
Year 4, Semester 2	
MGB372	Creating Value through People
Select a unit from the Core Options Unit List	
Core Unit Options List	
Select two units (24 credit points) from the Core Options Unit List:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB210	Importing and Exporting
Select a unit from the Core Options Unit List	
Year 2, Semester 2	
MGB225	Intercultural Communication and Negotiation Skills
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
AYB227	International Accounting
BSB250	Business Citizenship
Year 3, Semester 2	
EFB240	Finance for International Business
MGB340	International Business in the Asia-Pacific
Year 4, Semester 1	
AMB303	International Logistics
AMB336	International Marketing
Year 4, Semester 2	
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Options Units	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)

- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
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- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB225	Intercultural Communication and Negotiation Skills
MGB200	Managing People
Year 2, Semester 2	
MGB226	Innovation, Knowledge and Creativity
Select a unit from the Core Options Unit List	
Year 3, Semester 1	
BSB250	Business Citizenship
Select one of the following:	
MGB210	Managing Operations
MGB227	Entrepreneurship
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.	
Year 3, Semester 2	
Select a unit from the Core Options Unit List	
Select one of the following:	
MGB335	Managing Projects
MGB324	Managing Business Growth
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.	
Year 4, Semester 1	
MGB341	Managing Risk
BSB399	Real World Ready - Business Capstone
Year 4, Semester 2	
MGB309	Managing Strategically
Select one of the following:	

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MGB310	Managing Sustainable Change
MGB338	Workplace Learning
Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
BSB108	Business Environment
Select a unit from the Core Options List	
Year 2, Semester 2	
AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management
Year 3, Semester 1	
AMB202	Integrated Marketing Communication
AMB201	Marketing and Audience Analytics
Year 3, Semester 2	
BSB250	Business Citizenship
AMB330	Digital Optimisation
Year 4, Semester 1	
AMB340	Services Marketing
AMB336	International Marketing
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing

Core Options Units List	
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Year 1, Semester 1](#)
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- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Core Options Units List](#)

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
AMB264	Media Relations and Publicity
AMB263	Introduction to Public Relations
Year 2, Semester 2	
AMB201	Marketing and Audience Analytics
AMB372	Public Relations Planning
Year 3, Semester 1	
BSB250	Business Citizenship
AMB374	Global Public Relations Cases
Year 3, Semester 2	
AMB375	Internal Communication and Change
Select a unit from the Core Options Unit List	
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB373	Issues, Stakeholders and Reputation
Year 4, Semester 2	
AMB379	Public Relations Campaigns
Select a unit from the Core Options Unit List	
Core Options Units List	
Select two units (24 credit points) from	

the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
KNB127	CGI Foundations
KNB135	Animation Aesthetics
Year 3, Semester 1	
KNB137	Digital Worlds
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
KNB136	Visual Storytelling: Production Design
[KNB227 replaced by KNB136 from 2021]	
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	

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KNB217	Digital Creatures
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 2, Semester 2	
KNB127	CGI Foundations
KNB135	Animation Aesthetics
Year 3, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
KNB137	Digital Worlds
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
KNB136	Visual Storytelling: Production Design
[KNB227 replaced by KNB136 from 2021]	
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
KNB217	Digital Creatures
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 5, Semester 1
BGIE Core Unit Option
BGIE Core Unit Option

Semesters

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- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
IGB220	Fundamentals of Game Design
DXB205	Interactive Narrative Design
Year 3, Semester 1	
DXB211	Creative Coding
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
IGB388	Design and Development of

Immersive Environments	
[IGB320 replaced by IGB388 from 2021]	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 2, Semester 2	
IGB220	Fundamentals of Game Design
DXB205	Interactive Narrative Design
Year 3, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
DXB211	Creative Coding
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
IGB388	Design and Development of Immersive Environments
[IGB320 replaced by IGB388 from 2021]	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	

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IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 5, Semester 1	
BGIE Core Unit Option	
BGIE Core Unit Option	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
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- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, Semester 1	
CAB301	Algorithms and Complexity
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB381	Game Engine Technology
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	

IGB383	AI for Games
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 2, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, Semester 1	
CAB301	Algorithms and Complexity
IGB100	Game Studio 1: Mini-Game Development
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB381	Game Engine Technology
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
IGB383	AI for Games
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you	

will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.
Year 5, Semester 1
BGIE Core Unit Option
BGIE Core Unit Option

Year	2021
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Environmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Environmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)

Bachelor of Urban Development (Honours) (Urban and Regional Planning)/Bachelor of Science (Environmental Science)

- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
UXB131	Planning and Design Practice
UXB132	Urban Analysis
Year 1, Semester 2	
Science: Core Unit Option	
Environmental Science Major Option Unit	
UXB133	Urban Studies
UXB134	Land Use Planning
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
UXB100	Design-thinking for the Built Environment
UXB130	History of the Built Environment
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
LWS012	Urban Development Law
UXB135	Negotiation and Conflict Resolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
UXB230	Site Planning
UXB234	Transport Planning
Year 4, Semester 1	
EVB312	Soils and the Environment
OR	
BVB311	Conservation Biology
USB300	Property Development
UXB330	Urban Design
UXH430	Planning Theory and Ethics

Year 4, Semester 2	
EVB304	Case Studies in Environmental Science
ERB310	Groundwater Systems
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, Semester 1	
EVB312	Soils and the Environment
OR (if EVB312 completed previously)	
BVB311	Conservation Biology
BSB113	Economics
UXH400-1	Project - Part A
UXH431	Urban Planning Practice
Year 5, Semester 2	
UXH331	Environmental Planning
UXH432	Community Planning
UXH433	Regional Planning
UXH400-2	Project - Part B

Year	2021
QUT code	SE20
CRICOS	078353G
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,400 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science Major); Professor Tim Moroney (Mathematics Major)
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics); Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

Studying a double degree in applied science and mathematics will provide you with advanced knowledge and skills that are highly sought after by employers. The course is made up of 384 credit points, with each component degree (i.e. Science and Mathematics) comprising 192 credit points each.

From the very first semester, in both your science and your mathematics studies, you will have the opportunity to collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real world problems from multiple scientific, mathematical and statistical perspectives and learn the tools of the trade. Depending on your choices you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet. Working with data that you have collected, you will apply fundamental methods of scientific practice, perform scientific analysis, and present your findings. You will learn about

a range of career and professional outcomes so that you can get the most from the flexibility the Bachelor of Science has to offer. Your mathematics studies will strengthen your quantitative analysis skills.

Your choice of science major will provide you with in-depth knowledge and expertise in a scientific discipline. Your choice of mathematics units/major will allow you to develop more advanced quantitative skills and problem solving capabilities that can be applied to larger and more complex real world problems. Both of which will prepare you for entry into the workforce or further study. You can even work with industry or get credit to study overseas.

Aim

This double degree aims to provide graduates with opportunities to develop their skills and knowledge in mathematics and science. You will develop the ability to apply mathematics, statistics, computational methods and decision science to real world problems. The Bachelor of Science aims to deliver:

Sample Structure Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	

Bachelor of Science/Bachelor of Mathematics

BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB305	Microbiology and the Environment
BVB203	Plant Biology
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 2 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
CVB210	Chemical Measurement Science
Science Core Unit Option	
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)

- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1

SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 2 Semester 1	
PVB210	Stellar Astrophysics
SEB104	Grand Challenges in Science
Year 2 Semester 2	
SEB113	Quantitative Methods in Science
Science Core Unit Option	
Year 3 Semester 1	
PQB360	Introduction to Climate Change
PVB203	Experimental Physics
Year 3 Semester 2	
PVB204	Electromagnetism
PVB220	Cosmology
Year 4 Semester 1	
PVB301	Materials and Thermal Physics

Bachelor of Science/Bachelor of Mathematics

PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

- [Applied and Computational Mathematics Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- [Operations Research Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)

- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- [Statistical Science Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Statistical Science Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	

MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Year	2021
QUT code	SE30
CRICOS	059226F
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly (Information Technology); Professor Tim Moroney (Mathematics)
Discipline Coordinator	Dr Wayne Kelly (Computer Science); Dr Erwin Fieft (Information Systems); Dr Pascal Buenzli (Applied & Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

Mathematics and information technology are interrelated disciplines. This double degree provides you with the knowledge and skills to develop solutions for complex problems that provide great benefits to society. In the first year you will build a foundation in mathematics and information technology and then select integrated strands combining units from the areas of applied mathematics, computational mathematics, operations research, statistics or financial mathematics with the combined information technology major from either Information Systems of Computer Science.

Career Outcomes

Mathematics underpins much of information technology, especially in the more advanced areas of development and analysis. As a graduate you may find employment as a technical support specialist, data visualisation specialist, operations research specialist, computational scientist, statistician (there

is high demand in the insurance industry), or work in complex system and scientific modelling.

Professional Recognition

Graduates will be eligible for membership of the Mathematical Society of Australia, the Statistical Society of Australia and, depending on unit selection, the Australian Society for Operations Research. This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Domestic Course structure The Bachelor of Mathematics component consists of:

- Six (6) core units (72 credit points - 48cp + 24cp core options)
- Ten (10) major core units (120 credit points).

The Bachelor of Information Technology component consists of:

- Six (6) core units (72 credit points - 48cp + 24cp core options)
- Ten (10) major core units (120 credit points).

International Course structure

The Mathematics Component consists of:

- Six (6) Core units (72 credit points - 48cp + 24cp Core options)

- Ten (10) Major Core units (120 credit points)

The Bachelor of Information Technology component consists of:

- Six (6) Core units (72 credit points - 48cp + 24cp Core options)

- Ten (10) Major Core units (120 credit points)

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	

Bachelor of Information Technology/Bachelor of Mathematics

IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development

Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)

Semesters

- [Applied and Computational Mathematics Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1

Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- [Operations Research Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- [Statistical Science Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Statistical Science Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Year	2021
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron McFadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Sample Structure Semesters

- [Applied and Computational Mathematics Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics

Bachelor of Engineering (Honours)/Bachelor of Mathematics

MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- [Operations Research Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
Maths Core Options Unit	
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.	
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic

Modelling 2	
Year 4 Semester 1	
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- [Statistical Science Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Statistical Science Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
Maths Core Options Unit	
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.	
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Semesters

- [Year 1 - Semester 1](#)
- [Year 1 - Semester 2](#)
- [Year 2 - Semester 1](#)
- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - Semester 2	
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

Semesters

- [Year 1 - Semester 1](#)
- [Year 1 - Semester 2](#)
- [Year 2 - Semester 1](#)
- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
Foundation Unit Option	
Year 3 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, Semester 1	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - Semester 2	
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - Semester 1	
EGB375	Design of Concrete Structures
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

- [Year 1 - Semester 1](#)
- [Year 1 - Semester 2](#)
- [Year 2 - Semester 1](#)
- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGH400-1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced Computer and Software Systems Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer and Software Systems Option Unit	

Semesters

- [Year 1 - Semester 1](#)
- [Year 1 - Semester 2](#)
- [Year 2 - Semester 1](#)
- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - Semester 1	
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time .	
Year 4 - Semester 1	
EGB340	Design and Practice
Foundation Unit Option	
Year 4 - Semester 2	
Intermediate Electrical Option Unit (2)	
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
Advanced Electrical Option Unit (1)	
Advanced Electrical Option Unit (2)	
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	

Bachelor of Engineering (Honours)/Bachelor of Mathematics

Advanced Electrical Option Unit (5)

Semesters

- [Year 1 - Semester 1](#)
- [Year 1 - Semester 2](#)
- [Year 2 - Semester 1](#)
- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - Semester 2	
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

Semesters

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Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

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Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - Semester 1	
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced Electrical Option Unit	

Semesters

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- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
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Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - Semester 2	
EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials

Year	2021
QUT code	SE50
CRICOS	080489G
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$37,000 per year full-time (96 credit points)
Total credit points	384
Start months	July, February
Int. Start Months	July, February
Deferral	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Marion Bateson (Biological Sciences); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics); Dr Wayne Kelly (Computer Science); and Dr Erwin Fieft (Information Systems). +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This double degree prepares you for an increasing range of careers that involve the application of information technology to science. It gives you the ability to use creative as well as analytical methods to solve scientific problems. Studying this double degree allows you to develop the technical skills required for your relevant field of study in science.

The science component of the course offers you the choice of majoring in Biological Sciences, Physics, Chemistry, Environmental Science or Earth

Sciences. Theoretical aspects are balanced by strong practical components in this science and information technology double degree.

The Information Technology component of this degree offers a choice of majors in Information Systems or Computer Science.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Career Outcomes

Graduates may find roles where they can use their information technology skills within the science discipline. Areas include sensor networks, complex system and scientific modelling, and science. As a graduate, you can expect to work in roles such as a scientific modeller, engineering software developer, scientific programmer, and computational scientist.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Information Technology program.

Science component:

- 5 Science Core units (60 credit points), includes 1 unit (12 credit points) from the approved list of Option Units.
- 11 Major Core units (132 credit points)

Information Technology component:

- 6 Information Technology Core units (72 credit points), includes 2 units (24 credit points) of Option Units** selected from an approved list.
- 10 Major Core units (120 credit points)

**Options List - comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science

Bachelor of Science/Bachelor of Information Technology

program and 192 credit points from the Bachelor of Information Technology program.

Science component:

- 5 Science Core units (60 credit points), includes 1 unit (12 credit points) from the approved list of Option Units.
- 11 Major Core units (132 credit points)

Information Technology component:

- 6 Information Technology Core units (72 credit points), includes 2 units (24 credit points) of Option Units** selected from an approved list.
- 10 Major Core units (120 credit points)

**Options List - comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Sample Structure Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
CAB201	Programming Principles
IT Core Unit Option	
Year 2, Semester 2	
CAB202	Microprocessors and Digital Systems

IT Core Unit Option	
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
IFB295	IT Project Management
CAB303	Networks
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
(No IT units)	
Year 2, Semester 2	
IT Core Unit Option	
Year 3, Semester 1	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB203	Discrete Structures
CAB301	Algorithms and Complexity
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
CAB302	Software Development
IFB399	Capstone Project (Phase 2)
IT Core Unit Option	
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
(CAB401 or CAB403 can be swapped with Science Core Unit Option in Y4S2.)	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 2, Semester 2	
IAB207	Rapid Web Application Development
IT Core Unit Option	
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)

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Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
(No IT units)	
Year 2, Semester 2	
IT Core Unit Option	
Year 3, Semester 1	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
IT Core Unit Option	
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
(No Science units)	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Science Major Unit Option	
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment

Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, Semester 1	
Information Systems major students - Select Science Core Unit Option here.	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry

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Year 4, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester 2 (July) commencements	
Year 1, Semester 2	
(No Science units)	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
MXB100	Introductory Calculus and Algebra
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, Semester 1	
Information Systems major students - Select Science Core Unit Option here.	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
(No Science units)	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Science Major Unit Option	
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural

Geology	
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, Semester 1	
Information Systems major students - Select Science Core Unit Option here.	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology

Bachelor of Science/Bachelor of Information Technology

EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2 (No Science units)	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Science Major Unit Option	
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, Semester 1	
Information Systems major students - Select Science Core Unit Option here.	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3, Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3, Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4, Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Semester 2 (July) commencements	
Year 1, Semester 2 (No Science units)	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3, Semester 1	
PVB200	Computational and Mathematical Physics
PVB203	Experimental Physics

Year 3, Semester 2	
PVB202	Mathematical Methods in Physics
PVB204	Electromagnetism
Year 4, Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, Semester 1	
Information Systems major students - Select Science Core Unit Option here.	

Year	2021
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron McFadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Wayne Kelly (Computer Science); and Dr Erwin Fieft (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure

PLEASE NOTE:

For students taking the **IT: Computer Science major with Engineering: Computer & Software Systems major**, please refer to the "[IT Units: Computer Science/Eng Computer Software Sys Majors ONLY \(SE60MJR-CSSSES\)](#)" structure instead.

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- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencing](#)
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- [Year 5, Semester 1](#)
- [Computer Science Major Unit Options](#)

Code	Title
Semester 1 (February) commencing	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
IT Core Unit Option	
IT Core Unit Option	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
CAB201	Programming Principles
Year 2, Semester 2	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
(Note: Select CAB202 from the Computer Science Major Option list - this is compulsory in the IT component if majoring in these engineering majors.)	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
Computer Science Major Unit Option 1	
(Note: CAB202 will be available as core in the engineering component if majoring in these engineering majors.)	
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 2	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 2	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
CAB202	Microprocessors and Digital Systems
(CAB202 is CORE unless your Engineering major is in Computer & Software Systems, Electrical, Electrical & Aerospace or Mechatronics in which you will complete CAB202 in your Engineering component.)	
CAB220	Fundamentals of Data Science
CAB320	Artificial Intelligence
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB432	Cloud Computing
CAB440	Network and Systems Administration

IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Option	
Year 3, Semester 1	
CAB203	Discrete Structures
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB202	Microprocessors and Digital Systems
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
Computer Science Major Unit Option 1	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 2	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 2	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
CAB202	Microprocessors and Digital Systems
(CAB202 is CORE unless your Engineering major is in Computer & Software Systems, Electrical, Electrical & Aerospace or Mechatronics in which you will complete CAB202 in your Engineering component.)	
CAB220	Fundamentals of Data Science
CAB320	Artificial Intelligence
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB432	Cloud Computing
CAB440	Network and Systems Administration

PLEASE NOTE:

This structure is ONLY for the combination of IT Computer Science and Engineering Computer & Software Systems Majors.

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- [Computer Science Major Unit Options](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
Computer Science Major Unit Option 1	
Computer Science Major Unit Option 2	
CAB201 and CAB202 are core to EN01 Computer Software Systems Major	
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
Semester 2 (July) commencements	
Year 1, Semester 2	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
Computer Science Major Unit Option 1	
IT Core Unit Option	
Year 3, Semester 1	
CAB203	Discrete Structures
Computer Science Major Unit Option 2	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 3	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
As CAB201 and CAB202 are core to EN01 Computer Software Systems Major, SE60MJR-CSSECS students will undertake two extra Computer Science Major option units in place of CAB201 and CAB202.	
CAB310	Interaction and Experience Design
CAB320	Artificial Intelligence
CAB330	Data and Web Analytics
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB431	Search Engine Technology
CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security

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- [Year 4, Semester 2](#)
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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design

Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	

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IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling

IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles

EGB362	Operations Management and Process Economics
Year 4 - Semester 2	
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - Semester 1	
EGB361	Minerals and Minerals Processing
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

Semesters

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- [Year 5 - Semester 1](#)
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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
Foundation Unit Option	
Year 3 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	

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EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, Semester 1	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - Semester 2	
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - Semester 1	
EGB375	Design of Concrete Structures
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering

Code	Title
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB201	Programming Principles
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
Intermediate Software Option Unit	
For students with Computer Science Major: CAB301 and CAB302 are core to the Computer Science Major. Please contact Science and Engineering Faculty to be provided a list of additional units you can select from.	
Year 4 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical or Software Option Unit	
Year 5 - Semester 1	
EGH404	Research in Engineering Practice
EGH400-1	Research Project 1
Advanced Electrical or Software Option Unit	
EGH456	Embedded Systems
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical Option Unit	
Advanced Software Option Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	

Code	Title
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - Semester 1	
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time .	
Year 4 - Semester 1	
EGB340	Design and Practice
Foundation Unit Option	
Year 4 - Semester 2	
Intermediate Electrical Option Unit (2)	
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
Advanced Electrical Option Unit (1)	
Advanced Electrical Option Unit (2)	
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	
Advanced Electrical Option Unit (5)	

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Code	Title
Semester 1 (February) commencements	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - Semester 2	
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

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- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)

• [Year 5 - Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

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- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - Semester 1	
EGB220	Mechatronics Design 1
Intermediate Mechanical Option Unit	
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Mechanical Option Unit	
EGH446	Autonomous Systems
Advanced Electrical Option Unit	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1 - Semester 1](#)

Bachelor of Engineering (Honours)/Bachelor of Information Technology

- [Year 1 - Semester 2](#)
- [Year 2 - Semester 1](#)
- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

	Medical Engineers
EGH438	Biomaterials

Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - Semester 2	
EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for

Year	2021
QUT code	SE70
CRICOS	092653A
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown (Games and Interactive Environments); Professor Tim Moroney (Mathematics)
Discipline Coordinator	Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Games and Interactive Environment program and 192 credit points from the Bachelor of Mathematics program.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units

Mathematics component:

- 6 core units (72 credit points), which are further divided into 4 mathematics core units (48 credit points), and 2 core option units* (24 credit points) selected from an approved list.
- 10 major core units (120 credit points).

* Unit options list - comprises a wide

variety of foundation units from a range of disciplines offered at QUT. In the Mathematics component, there is an opportunity to choose additional mathematics units, which includes a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems. The core option choices can be used to complement your Major studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Games and Interactive Environment program and 192 credit points from the Bachelor of Mathematics program.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units

Mathematics component:

- 6 core units (72 credit points), which are further divided into 4 mathematics core units (48 credit points), and 2 core option units* (24 credit points) selected from an approved list.
- 10 major core units (120 credit points).

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. In the Mathematics component, there is an opportunity to choose additional mathematics units, which includes a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate real-world problems. The core option choices

Bachelor of Games and Interactive Environments/Bachelor of Mathematics

can be used to complement your Major studies.

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
KNB127	CGI Foundations
KNB135	Animation Aesthetics
Year 3, Semester 1	
KNB137	Digital Worlds
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
KNB136	Visual Storytelling: Production Design
[KNB227 replaced by KNB136 from 2021]	
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
KNB217	Digital Creatures
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for	

assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
IGB220	Fundamentals of Game Design
DXB205	Interactive Narrative Design
Year 3, Semester 1	
DXB211	Creative Coding
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
IGB388	Design and Development of Immersive Environments
[IGB320 replaced by IGB388 from 2021]	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for	

assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, Semester 1	
CAB301	Algorithms and Complexity
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB381	Game Engine Technology
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
IGB383	AI for Games
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	

Bachelor of Games and Interactive Environments/Bachelor of Mathematics

Semesters

- [Applied and Computational Mathematics Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- [Operations Research Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
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Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- [Statistical Science Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Statistical Science Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1

Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Year	2021
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron McFadyen (Electrical & Aerospace); Dr Wim Dekkers/Prof Ted Steinberg (Mechanical); Aspro Luis Alvarez (Mechatronics); Aspro Devakar Epari (Medical); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Sample Structure Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1

Bachelor of Engineering (Honours)/Bachelor of Science

SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1 Semester 1](#)

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 2 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
CVB210	Chemical Measurement Science
Science Core Unit Option	
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and

	Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, Semester 2	
CVB210	Chemical Measurement Science
CVB303	Coordination Chemistry
Year 5, Semester 1	
CVB304	Chemistry Research Project
Science Core Unit Option	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1 Semester 1](#)
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- [Year 2 Semester 1](#)
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- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience

Bachelor of Engineering (Honours)/Bachelor of Science

Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
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- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Semester 2 \(July\) commencements](#)

- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science

Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
Year 1 Semester 2	
SEB104	Grand Challenges in Science
PVB102	Physics of the Very Small
Year 2 Semester 1	
PVB203	Experimental Physics
SEB116	Experimental Science 2
Year 2 Semester 2	
PVB200	Computational and Mathematical Physics
Science Core Unit Option	
Year 3 Semester 1	
PQB360	Introduction to Climate Change
PVB210	Stellar Astrophysics
Year 3 Semester 2	
PVB204	Electromagnetism

Bachelor of Engineering (Honours)/Bachelor of Science

PVB220	Cosmology
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Semester 2 (July) commencements	
Year 1, Semester 2	
PVB102	Physics of the Very Small
SEB104	Grand Challenges in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
SEB113	Quantitative Methods in Science
Year 3, Semester 1	
PVB203	Experimental Physics
PVB210	Stellar Astrophysics
Year 3, Semester 2	
PVB204	Electromagnetism
PVB220	Cosmology
Year 4, Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5, Semester 1	
PQB360	Introduction to Climate Change
Science Core Unit Option	

Semesters

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- [Year 5 - Semester 1](#)
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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - Semester 2	
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

Semesters

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- [Year 5 - Semester 1](#)
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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
Foundation Unit Option	
Year 3 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, Semester 1	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - Semester 2	
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - Semester 1	
EGB375	Design of Concrete Structures
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

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Bachelor of Engineering (Honours)/Bachelor of Science

- [Year 2 - Semester 2](#)
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- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGH400-1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced Computer & Software Systems Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Computer & Software Systems Option Unit	
CAB432	Cloud Computing

Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - Semester 1	
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time .	
Year 4 - Semester 1	
EGB340	Design and Practice
Foundation Unit Option	
Year 4 - Semester 2	
Intermediate Electrical Option Unit (2)	
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
Advanced Electrical Option Unit (1)	

Advanced Electrical Option Unit (2)	
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	
Advanced Electrical Option Unit (5)	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - Semester 2	
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - Semester 1	
EGH400-1	Research Project 1

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EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB322	Thermodynamics

EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - Semester 1	
EGB220	Mechatronics Design 1

Intermediate Mechanical Option Unit	
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Mechanical Option Unit	
EGH446	Autonomous Systems
Advanced Electrical Option Unit	

Semesters

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- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - Semester 2	

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EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials

Year	2021
QUT code	SE90
CRICOS	092649G
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,900 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); Associate Professor Ross Brown (Games and Interactive Environments; email: askqut@qut.edu.au; ph: +61 7 3138 2000
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Science component:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. The core

option choices can be used to complement your Major studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Science component:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. The core option choices can be used to complement your Major studies.

Sample Structure Semesters

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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	

Bachelor of Science/Bachelor of Games and Interactive Environments

BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

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- [Year 3 Semester 2](#)
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- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	

Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

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- [Year 4 Semester 1](#)
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Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
PVB102	Physics of the Very Small
PVB101	Physics of the Very Large
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and

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	Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

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Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
KNB127	CGI Foundations
KNB135	Animation Aesthetics
Year 3, Semester 1	
KNB137	Digital Worlds
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
KNB136	Visual Storytelling: Production Design
[KNB227 replaced by KNB136 from 2021]	
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
KNB217	Digital Creatures
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)

[IGB301 replaced by IFB399 from 2021]

IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	

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Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
IGB220	Fundamentals of Game Design
DXB205	Interactive Narrative Design
Year 3, Semester 1	
DXB211	Creative Coding
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
IGB388	Design and Development of Immersive Environments
[IGB320 replaced by IGB388 from 2021]	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)

[IGB301 replaced by IFB399 from 2021]

IGB400	Game Studio 3: Game Innovation
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, Semester 1	
CAB301	Algorithms and Complexity
BGIE Core Unit Option	
Year 3, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB381	Game Engine Technology
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
[IGB300 replaced by IFB398 from 2021]	
IGB383	AI for Games
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
[IGB301 replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year	2021
QUT code	ID33
CRICOS	103861J
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation

Bachelor of Data Science / Bachelor of Laws (Honours)

minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure Semesters

- [February commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)
- [Year 6, Semester 1](#)
- [Law information](#)

Code	Title
February commencements	
Year 1, Semester 1	
IFB104	Building IT Systems
Select either MXB100 or MXB105	
MXB100	Introductory Calculus and Algebra
MXB105	Calculus and Differential Equations
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 2	
IFB105	Database Management
MXB107	Introduction to Statistical Modelling
LLB106	Criminal Law
LLB107	Statutory Interpretation
Year 2, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB262	Visualising Data
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice

Year 2, Semester 2	
CAB201	Programming Principles
DSB100	Fundamentals of Data Science
LLH201	Legal Research
Introductory Law Elective unit or General Law Elective unit	
Year 3, Semester 1	
CAB301	Algorithms and Complexity
MXB242	Regression and Design
LLB202	Contract Law
LLB203	Constitutional Law
Year 3, Semester 2	
IAB206	Modern Data Management
Select either CAB330 or IAB303	
CAB330	Data and Web Analytics
IAB303	Data Analytics for Business Insight
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Year 4, Semester 1	
CAB420	Machine Learning
MXB344	Generalised Linear Models
General Law Elective*	
LLB301	Real Property Law
Year 4, Semester 2	
DSB300	Data Science Capstone Project
MXB362	Advanced Visualisation and Data Science
LLH206	Administrative Law
LLB303	Evidence
Year 5, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General law elective or law minor unit or non law elective or uni-wide minor unit*	
General law elective or law minor unit or non law elective or uni-wide minor unit*	
Year 5, Semester 2	
LLH305	Corporate Law
LLB306	Civil Procedure
LLH401	Legal Research Capstone
Year 6, Semester 1	
Advanced law elective	
Advanced law elective	
General law elective or law minor unit or non law elective or uni-wide minor unit*	
General law elective or law minor unit or non law elective or uni-wide minor unit*	
Law information	
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points	

of non-law electives in place of their general law electives.

Semesters

- [July commencement](#)
- [Year 1, Semester 2](#)
- [Year 1, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 5, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 6, Semester 2](#)
- [Law information](#)

Code	Title
July commencement	
Year 1, Semester 2,	
IFB104	Building IT Systems
Select MXB100 or MXB105	
MXB100	Introductory Calculus and Algebra
MXB105	Calculus and Differential Equations
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
IFB105	Database Management
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
Year 2, Semester 2	
CAB201	Programming Principles
MXB107	Introduction to Statistical Modelling
LLB106	Criminal Law
LLB107	Statutory Interpretation
Year 2, Semester 1	
MXB242	Regression and Design
MXB262	Visualising Data
LLH201	Legal Research
LLB202	Contract Law
Year 3, Semester 2	
DSB100	Fundamentals of Data Science
IAB206	Modern Data Management
Introductory law elective or general law elective	
LLB204	Commercial and Personal Property Law
Year 3, Semester 1	
CAB301	Algorithms and Complexity
CAB420	Machine Learning
LLB203	Constitutional Law

Bachelor of Data Science / Bachelor of Laws (Honours)

General law elective	
Year 4, Semester 2	
Select CAB330 or IAB303	
CAB330	Data and Web Analytics
IAB303	Data Analytics for Business Insight
MXB362	Advanced Visualisation and Data Science
LLB205	Equity and Trusts
LLH206	Administrative Law
Year 4, Semester 1	
DSB300	Data Science Capstone Project
MXB344	Generalised Linear Models
LLB301	Real Property Law
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
Year 5, Semester 2	
LLB303	Evidence
LLH305	Corporate Law
LLB306	Civil Procedure
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
Year 5, Semester 1	
LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
General law elective or law minor unit or non-law elective or uni-wide minor unit*	
Year 6, Semester 2	
LLH401	Legal Research Capstone
Advanced law elective	
Advanced law elective	
Law information	
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives as part of their general law electives.	

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law

(LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

General Law Electives List	
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments.

Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

Year	2021
QUT code	IN10
CRICOS	017323G
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,700 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Kanika Goel
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree in information technology or relevant discipline with a minimum grade point average of 5.00 (on QUT's 7-point scale), completed within the last 5 years, *plus*:

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

International Entry requirements

A recognised bachelor degree in information technology or equivalent with a minimum grade point average of 5.00 (on QUT's 7-point scale), completed within the last 5 years; *plus*:

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Bachelor of Information Technology (Honours) allows you to further develop specific areas of expertise in information technology and related discipline areas and is a pathway into research higher degree study. You will develop high level skills in a specific discipline area and acquire research skills appropriate to your discipline. You will apply analytic processes involving abstraction and modelling to solve complex problems and / or develop new opportunities through the use of information technology and will apply a deep understanding of the discipline to accurately assess its impact on individuals, organisations and society. You will receive individual supervision from an experienced researcher to complete a project. This project allows you to demonstrate your advanced academic capability and culminates in the completion of an honours thesis.

Course Design

Requirements for the completion of IN10 Bachelor of Information Technology (Honours) are as follows:

CORE: Foundations of Research unit and Reviewing the Field unit

OPTION: A choice of either the *Expanded Research Strand* or the *Extended Coursework Strand*

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Information technology is an integral part of all commercial, industrial, government, social and personal activities. Graduates from the honours program have the opportunity to achieve the highest levels of their profession. Career opportunities include roles such as web developer, database manager, network administrator, electronic commerce developer, data communications specialist, software engineer, systems programmer, computer scientist, systems analyst or programmer. Additionally, graduates may evolve into domain experts working as chief technology officers, chief information officers, managers, executives, business analysts and entrepreneurs. Graduates of this degree may go into academic and research careers.

Professional Recognition

Graduates of the Bachelor of Information Technology (Honours) meet the knowledge requirement for admission to the Australian Computer Society (ACS).

Pathways to Further Study

The QUT Bachelor of Information Technology (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible to apply to the Doctor of Philosophy within the Science and Engineering Faculty.

Domestic Course structure

You'll need to choose between either the expanded research or extended coursework options.

International Course structure

You'll need to choose between either the expanded research or extended coursework options.

Bachelor of Information Technology (Honours)

Sample Structure

The Bachelor of Information Technology (Honours) is a one year full-time degree comprising of 96 credit points.

72 credit points Core research units (6 units)

24 credit points Coursework units (2 units)

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [IN10 Coursework Options List](#)

Code	Title
Year 1, Semester 1	
INN700	Introduction to Research
Students must have secured a supervisor prior to enrolment.	
INN701	Advanced Research Topics
IFN403-1	IT Honours Research Project-1
Coursework Option from List (12cp)	
Year 1, Semester 2	
IFN403-2	IT Honours Research Project-2
IFN403-3	IT Honours Research Project-3
IFN403-4	IT Honours Research Project-4
Coursework Option from List (12cp)	
IN10 Coursework Options List	
Select 24 credit points from the Coursework Options List	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB431	Search Engine Technology
CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security
IAB401	Enterprise Architecture
IAB402	Information Systems Consulting
IAB352	Enterprise Systems Management
IFN515	Fundamentals of Business Process Management
IFN619	Data Analytics for Strategic Decision Makers
IFN621	Information Science: What & Why?

IFN623	Human Information Interaction
IFN644	Network Operations and Security
IFN645	Large Scale Data Mining
IFN652	Enterprise Business Process Management
IFN657	Principles of Software Security
IFN662	Enterprise Systems and Applications
IFN666	Web and Mobile Application Development
IFN667	Enterprise IoT Systems
IFN680	Artificial Intelligence and Machine Learning
IFN690	Advanced User Centred Design
IGB321	Immersive Game Level Design
IGB383	AI for Games
SEB410	Advanced Topic 1
SEB411	Advanced Topic 2
PLEASE NOTE:	
The following units which have been discontinued will count as coursework options if completed:	
IFN643 Computer System Security (disc 31/12/2019)	
IFN641 Advanced Networks Management (disc 31/12/2019)	
IFN660 Programming Language Theory (disc 31/12/2019)	
IFN661 Mobile and Pervasive Systems (disc 31/12/2019)	

Year	2021
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.au
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Dr Konstantin Momot (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 2000; Law: +61 7 3138 2707 Science: askqut@qut.edu.au; Law: law_enquiries@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the

Australian Higher Education Graduation Statement.

Total Law credit points: 336
Total credit points for core units: 240
Total credit points for elective units: 96 Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules.

Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.

Bachelor of Science/Bachelor of Laws (Honours)

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations. Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at [deferment](#)

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the [Bachelor of Science](#) (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may

select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the [Bachelor of Science](#) (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of

the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
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Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)
- [Year 5 Semester 2](#)
- [Year 6 Semester 1](#)
- [Law Elective Information*](#)

Code	Title
Year 1 Semester 1	
LLB101	Introduction to Law
LLB102	Torts
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
Science Core Unit Option	

Bachelor of Science/Bachelor of Laws (Honours)

Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics)

From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication

Year 2 Semester 1

LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science

Year 2 Semester 2

LLH201	Legal Research
Introductory Law Elective unit or General Law elective unit	
Science Major Unit	
Science Major Unit	

Year 3 Semester 1

LLB202	Contract Law
LLB203	Constitutional Law
Science Major Unit	
Science Major Unit	

Year 3 Semester 2

LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Science Major Unit	
Science Major Unit	

Year 4 Semester 1

LLB301	Real Property Law
General Law Elective unit*	
Science Major Unit	
Science Major Unit	

Year 4 Semester 2

LLB303	Evidence
LLH206	Administrative Law
Science Major Unit	
Science Major Unit	

Year 5 Semester 1

LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	

Year 5 Semester 2

LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	

Year 6 Semester 1

LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
Law Elective Information*	
Law students may complete up to 4 non-law electives or a university wide minor in place of 4 of general law electives.	
From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so	

Semesters

- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)
- [Year 6, Semester 1](#)
- [Year 6, Semester 2](#)
- [*Law Elective Information](#)

Code	Title
Year 1, Semester 2	
LLB101	Introduction to Law
LLB102	Torts
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Science Major Unit	
Science Major Unit	
Year 3, Semester 1	
LLB202	Contract Law
LLH201	Legal Research
Science Major Unit	
Science Major Unit	
Year 3, Semester 2	
LLB204	Commercial and Personal Property Law
Introductory Law Elective unit or General Law Elective	
Science Major Unit	
Science Major Unit	

Year 4, Semester 1	
LLB203	Constitutional Law
General Law Elective unit	
Science Major Unit	
Science Major Unit	
Year 4, Semester 2	
LLB205	Equity and Trusts
LLH206	Administrative Law
Science Major Unit	
Science Major Unit	
Year 5, Semester 1	
LLB301	Real Property Law
General Law Elective or Non-law Elective or Minor Unit*	
Science Major Unit	
Science Major Unit (Capstone)	
Year 5, Semester 2	
LLB303	Evidence
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 2	
LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
*Law Elective Information	
Law students may complete up to 4 non-law electives or a university wide minor in place of 4 general law electives	
From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so	

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	

Bachelor of Science/Bachelor of Laws (Honours)

Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB301	Animal Biology
BVB202	Experimental Design and Quantitative Methods
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment

Year 4 Semester 2	
BVB313	Population Genetics and Molecular Ecology
BVB304	Integrative Biology
Year 5 Semester 1	
Science Core Option	
Major Option	

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

- [Year 5, Semester 1](#)

Code	Title
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, Semester 2	
CVB303	Coordination Chemistry
MXB100	Introductory Calculus and Algebra
Year 5, Semester 1	
CVB304	Chemistry Research Project
Science Core Option	

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	

Bachelor of Science/Bachelor of Laws (Honours)

ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5 Semester 1	
Science Core Option	

Major Option

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

Semesters

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 1](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1

SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5 Semester 1	
Science Core Option	
Major Option	

Semesters

- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and

Bachelor of Science/Bachelor of Laws (Honours)

	Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)
- [Year 5 Semester 2](#)

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1
MXB100	Introductory Calculus and Algebra
Year 2 Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3 Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5 Semester 2	
SEB116	Experimental Science 2
Science Core Option	

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You

can check this by referring to the unit outlines on [QUT Virtual](#).

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

General Law Electives List	
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments.

Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
Choose four units to complete the minor	
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB341	Artificial Intelligence, Robots and the Law
LLB345	Regulating the Internet

Year	2021
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly (Information Technology); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs email: law_enquiries@qut.edu.au
Discipline Coordinator	IT: Dr Wayne Kelly (Computer Science); and Dr Erwin Fieft (Information Systems); Law: Director of Undergraduate Programs IT: +61 7 3138 2000; Law: +61 7 3138 2707 IT: askqut@qut.edu.au; Law: law_enquiries@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course structure information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

- 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 120 credit points (10 units) of Major Core units

Information Technology Majors
Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List
The Bachelor of Information Technology

Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336
Total credit points for core units: 240
Total credit points for elective units: 96

Honours Level Units
96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

Graduates may develop careers in cyberlaw, intellectual property and privacy, dealing with the legal regulation of the Internet including downloading music, mobile phone camera use or copyright issues. You may become a

Bachelor of Information Technology/Bachelor of Laws (Honours)

legal practitioner, barrister, in-house counsel, government lawyer or policy adviser. There is also increased demand for roles in edemocracy both in e-government service delivery and political campaigning.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations. Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Pathways to Further Studies

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

On successful completion of the Bachelor of Laws, there are a number of further study options open to you. The Bachelor of Laws meets the entry requirements for Practical Legal Training courses (for example, the QUT Graduate Diploma in Legal Practice). In addition, successful completion of the law degree will allow you to pursue postgraduate opportunities through research- and coursework-based higher degrees in law.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at [deferment](#)

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit

points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors

Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List

The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)

- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors

Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List

The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)

Bachelor of Information Technology/Bachelor of Laws (Honours)

- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)
- [Year 6, Semester 1](#)
- [Law Elective Information](#)

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
LLB106	Criminal Law
LLB107	Statutory Interpretation
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
Year 2, Semester 2	
IT Major Unit	
IT Major Unit	
Introductory Law Elective unit of General Law Elective unit	
LLH201	Legal Research
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
LLB202	Contract Law

LLB203	Constitutional Law
Year 3, Semester 2	
IT Major Unit	
IT Major Unit	
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Year 4, Semester 1	
IT Major Unit	
IT Major Unit	
LLB301	Real Property Law
General Law Elective unit	
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
LLB303	Evidence
LLH206	Administrative Law
Year 5, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General Law Elective or Non-law Elective or University-wide Minor Unit	
General Law Elective or Non-law Elective or University-wide Minor Unit	
Year 5, Semester 2	
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or University-wide Minor Unit	
General Law Elective or Non-law Elective or University-wide Minor Unit	
Year 6, Semester 1	
LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
Law Elective Information	
Law Students may complete up to 4 non-law electives or a university wide minor comprised of 4 units in place of the equivalent number of general law electives.	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)

- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management

Bachelor of Information Technology/Bachelor of Laws (Honours)

Year 4, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements

Analysis	
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement

IAB402	Information Systems Consulting
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Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

General Law Electives List	
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A

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LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

LLB341	Artificial Intelligence, Robots and the Law
LLB345	Regulating the Internet

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments.

Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on [QUT Virtual](#).

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
Choose four units to complete the minor	
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech

Year	2021
QUT code	MS10
CRICOS	080486K
Duration (full-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$4,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Elliot Carr
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A completed recognised bachelor degree with a minimum grade point average (GPA) score of 5.00 (on QUT's 7-point scale) completed within the last 5 years in one of the fields of:

- mathematics
- computer science
- economics
- finance
- physics
- engineering

plus:

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

International Entry requirements

Prerequisite

A completed recognised bachelor degree with a minimum grade point average (GPA) score of 5.00 (on QUT's 7-point scale) completed within the last 5 years in the fields of:

- mathematics
- computer science
- economics or finance
- physics
- engineering

Applicants are required to nominate their proposed topic and supervisor. Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Design

Students undertake a 36 credit point Research Project.

Overview

The Bachelor of Mathematics (Honours) course provides extended modern and rigorous training in mathematical sciences and related research, to prepare students both for higher-level graduate careers in industry and government and for research

at PhD or Research Masters level. The course contributes to addressing the continuing shortage of highly trained mathematical scientists in Australia and abroad.

Through a combination of research and advanced coursework units, students pursue specialised studies in an area of mutual interest with a personal research mentor/supervisor. Research units will enable students to develop an understanding of the nature of mathematical and statistical approaches to solving real world, current research problems. Coursework units provide students the opportunity to develop much more advanced skills and knowledge compared with those built in the undergraduate course. The coursework emphasises mathematics and statistics that is required for current research and for a competitive edge in the employment market.

The course provides students with further depth of knowledge and analytical skills expected of professionals who apply mathematics, computational methods, decision science and statistics in the workplace and in further research.

Course Structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

CORE: Foundations of Research unit and Reviewing the Field unit

OPTION: A choice of either the *Expanded Research Strand* or the *Extended Coursework Strand*

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Mathematics graduates are employed across a wide range of areas. These include, but are not limited to, finance, investment, data analytics, defence and national security, research, information technology, engineering modelling and simulation, environmental science, health, management, marketing, logistics, media, and education. In addition to their knowledge and skills in mathematics, graduates are also highly valued for their analytical and problem-solving skills. Development of skills in communication, problem-solving, critical thinking and teamwork form an integral part of the course.

Bachelor of Mathematics (Honours)

Professional Recognition

Graduates of this course may be eligible for membership of the Australian Mathematical Society, Statistical Society of Australia and/or the Australian Society for Operations Research

Pathways to Further Study

The QUT Bachelor of Mathematics (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Research Masters and/or Doctoral level programs.

Domestic Course structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

MXN400 Mathematical Research Training (12 cp)

MXN404-1 Honours Research Project-1 (12 cp)

MXN404-2 Honours Research Project-2 (12 cp)

MXN404-3 Honours Research Project-3 (12 cp)

and 4 Advanced Coursework units (48 credit points)

International Course structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

MXN400 Mathematical Research Training (12 cp)

MXN404-1 Honours Research Project-1 (12 cp)

MXN404-2 Honours Research Project-2 (12 cp)

MXN404-3 Honours Research Project-3 (12 cp)

and 4 Advanced Coursework units (48 credit points)

In this list

- [Semester 1](#)
- [Semester 2](#)
- [Mathematics Honours Options List](#)

Semester 1	
Code	Title
MXN400	Mathematical Research Training
MXN404-1	Honours Research Project 1

Coursework option unit
Coursework option unit

Semester 2	
Code	Title
MXN404-2	Honours Research Project 2
MXN404-3	Honours Research Project 3
Coursework option unit	
Coursework option unit	

Mathematics Honours Options List	
Code	Title
MXN401	Minor Project
MXN402	AMSI Unit 1
MXN403	AMSI Unit 2
MXN421	Advanced Computational Mathematics
MXN422	Numerical Methods for Fractional Partial Differential Equations
MXN423	Advanced Mathematical Modelling
MXN424	Advanced Applied Analysis
MXN431	Advanced Operations Research
MXN441	Advanced Statistical Inference and Modelling
MXN442	Modern Statistical Computing Techniques

Year	2021
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

[Find out more about the QUT Year 12 Early Offer Scheme](#)

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Environmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Environmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)

Bachelor of Urban Development (Honours) (Urban and Regional Planning)/Bachelor of Science (Environmental Science)

- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Year 5, Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
UXB131	Planning and Design Practice
UXB132	Urban Analysis
Year 1, Semester 2	
Science: Core Unit Option	
Environmental Science Major Option Unit	
UXB133	Urban Studies
UXB134	Land Use Planning
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
UXB100	Design-thinking for the Built Environment
UXB130	History of the Built Environment
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
LWS012	Urban Development Law
UXB135	Negotiation and Conflict Resolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
UXB230	Site Planning
UXB234	Transport Planning
Year 4, Semester 1	
EVB312	Soils and the Environment
OR	
BVB311	Conservation Biology
USB300	Property Development
UXB330	Urban Design
UXH430	Planning Theory and Ethics

Year 4, Semester 2	
EVB304	Case Studies in Environmental Science
ERB310	Groundwater Systems
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, Semester 1	
EVB312	Soils and the Environment
OR (if EVB312 completed previously)	
BVB311	Conservation Biology
BSB113	Economics
UXH400-1	Project - Part A
UXH431	Urban Planning Practice
Year 5, Semester 2	
UXH331	Environmental Planning
UXH432	Community Planning
UXH433	Regional Planning
UXH400-2	Project - Part B

Year	2021
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron McFadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Sample Structure Semesters

- [Applied and Computational Mathematics Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics

Bachelor of Engineering (Honours)/Bachelor of Mathematics

MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- [Operations Research Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
Maths Core Options Unit	
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.	
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic

Modelling 2	
Year 4 Semester 1	
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Semester 2	
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- [Statistical Science Major unit set:](#)
- [Year 1 Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2 Semester 1](#)
- [Year 2 Semester 2](#)
- [Year 3 Semester 1](#)
- [Year 3 Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Statistical Science Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
Maths Core Options Unit	
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.	
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Semesters

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- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - Semester 2	
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

Semesters

- [Year 1 - Semester 1](#)
- [Year 1 - Semester 2](#)
- [Year 2 - Semester 1](#)
- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
Foundation Unit Option	
Year 3 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, Semester 1	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - Semester 2	
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - Semester 1	
EGB375	Design of Concrete Structures
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

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- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGH400-1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced Computer and Software Systems Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer and Software Systems Option Unit	

Semesters

- [Year 1 - Semester 1](#)
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- [Year 2 - Semester 2](#)
- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - Semester 1	
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time .	
Year 4 - Semester 1	
EGB340	Design and Practice
Foundation Unit Option	
Year 4 - Semester 2	
Intermediate Electrical Option Unit (2)	
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
Advanced Electrical Option Unit (1)	
Advanced Electrical Option Unit (2)	
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	

Bachelor of Engineering (Honours)/Bachelor of Mathematics

Advanced Electrical Option Unit (5)

Semesters

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- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - Semester 2	
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

Semesters

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- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semesters

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- [Year 2 - Semester 1](#)
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- [Year 3 - Semester 1](#)
- [Year 3 - Semester 2](#)
- [Year 4 - Semester 1](#)
- [Year 4 - Semester 2](#)
- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - Semester 1	
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced Electrical Option Unit	

Semesters

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- [Year 3 - Semester 1](#)

Bachelor of Engineering (Honours)/Bachelor of Mathematics

- [Year 3 - Semester 2](#)
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Code	Title
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - Semester 2	
EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials

Year	2021
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron McFadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Wayne Kelly (Computer Science); and Dr Erwin Fieft (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure

PLEASE NOTE:

For students taking the **IT: Computer Science major with Engineering: Computer & Software Systems major**, please refer to the "[IT Units: Computer Science/Eng Computer Software Sys Majors ONLY \(SE60MJR-CSSSES\)](#)" structure instead.

Semesters

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- [Year 3, Semester 1](#)
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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Semester 2 \(July\) commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
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- [Year 5, Semester 1](#)
- [Computer Science Major Unit Options](#)

Code	Title
Semester 1 (February) commencements	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
IT Core Unit Option	
IT Core Unit Option	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
CAB201	Programming Principles
Year 2, Semester 2	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
(Note: Select CAB202 from the Computer Science Major Option list - this is compulsory in the IT component if majoring in these engineering majors.)	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
Computer Science Major Unit Option 1	
(Note: CAB202 will be available as core in the engineering component if majoring in these engineering majors.)	
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 2	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 2	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
CAB202	Microprocessors and Digital Systems
(CAB202 is CORE unless your Engineering major is in Computer & Software Systems, Electrical, Electrical & Aerospace or Mechatronics in which you will complete CAB202 in your Engineering component.)	
CAB220	Fundamentals of Data Science
CAB320	Artificial Intelligence
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB432	Cloud Computing
CAB440	Network and Systems Administration

IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Option	
Year 3, Semester 1	
CAB203	Discrete Structures
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB202	Microprocessors and Digital Systems
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
Computer Science Major Unit Option 1	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 2	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 2	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
CAB202	Microprocessors and Digital Systems
(CAB202 is CORE unless your Engineering major is in Computer & Software Systems, Electrical, Electrical & Aerospace or Mechatronics in which you will complete CAB202 in your Engineering component.)	
CAB220	Fundamentals of Data Science
CAB320	Artificial Intelligence
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB432	Cloud Computing
CAB440	Network and Systems Administration

PLEASE NOTE:

This structure is ONLY for the combination of IT Computer Science and Engineering Computer & Software Systems Majors.

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- [Semester 2 \(July\) commencements](#)
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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)
- [Computer Science Major Unit Options](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
Computer Science Major Unit Option 1	
Computer Science Major Unit Option 2	
CAB201 and CAB202 are core to EN01 Computer Software Systems Major	
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
Semester 2 (July) commencements	
Year 1, Semester 2	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
Computer Science Major Unit Option 1	
IT Core Unit Option	
Year 3, Semester 1	
CAB203	Discrete Structures
Computer Science Major Unit Option 2	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 3	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
As CAB201 and CAB202 are core to EN01 Computer Software Systems Major, SE60MJR-CSSECS students will undertake two extra Computer Science Major option units in place of CAB201 and CAB202.	
CAB310	Interaction and Experience Design
CAB320	Artificial Intelligence
CAB330	Data and Web Analytics
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB431	Search Engine Technology
CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security

Semesters

- [Semester 1 \(February\) commencements](#)
- [Year 1, Semester 1](#)
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- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
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- [Year 2, Semester 1](#)
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- [Year 3, Semester 1](#)
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- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Year 5, Semester 1](#)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design

Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
CAB201	Programming Principles
IT Core Unit Option	
Year 3, Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

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Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	

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IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IFB398	Capstone Project (Phase 1)
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, Semester 1	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 3, Semester 1	
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling

IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles

EGB362	Operations Management and Process Economics
Year 4 - Semester 2	
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - Semester 1	
EGB361	Minerals and Minerals Processing
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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- [Year 5 - Semester 1](#)
- [Year 5 - Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
Foundation Unit Option	
Year 3 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	

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EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, Semester 1	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - Semester 2	
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - Semester 1	
EGB375	Design of Concrete Structures
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

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- [Year 5 - Semester 2](#)

Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering

Code	Title
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB201	Programming Principles
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
Intermediate Software Option Unit	
For students with Computer Science Major: CAB301 and CAB302 are core to the Computer Science Major. Please contact Science and Engineering Faculty to be provided a list of additional units you can select from.	
Year 4 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical or Software Option Unit	
Year 5 - Semester 1	
EGH404	Research in Engineering Practice
EGH400-1	Research Project 1
Advanced Electrical or Software Option Unit	
EGH456	Embedded Systems
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical Option Unit	
Advanced Software Option Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	

Code	Title
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - Semester 1	
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time .	
Year 4 - Semester 1	
EGB340	Design and Practice
Foundation Unit Option	
Year 4 - Semester 2	
Intermediate Electrical Option Unit (2)	
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
Advanced Electrical Option Unit (1)	
Advanced Electrical Option Unit (2)	
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	
Advanced Electrical Option Unit (5)	

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Code	Title
Semester 1 (February) commencements	

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Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - Semester 2	
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - Semester 1	
EGB220	Mechatronics Design 1
Intermediate Mechanical Option Unit	
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Mechanical Option Unit	
EGH446	Autonomous Systems
Advanced Electrical Option Unit	

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	Medical Engineers
EGH438	Biomaterials

Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - Semester 2	
EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for

Year	2021
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron McFadyen (Electrical & Aerospace); Dr Wim Dekkers/Prof Ted Steinberg (Mechanical); Aspro Luis Alvarez (Mechatronics); Aspro Devakar Epari (Medical); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Sample Structure Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1

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SEB116	Experimental Science 2
Year 2 Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 2 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
CVB210	Chemical Measurement Science
Science Core Unit Option	
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and

	Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, Semester 2	
CVB210	Chemical Measurement Science
CVB303	Coordination Chemistry
Year 5, Semester 1	
CVB304	Chemistry Research Project
Science Core Unit Option	

Semesters

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience

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Year 3 Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science

Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

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Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
Year 1 Semester 2	
SEB104	Grand Challenges in Science
PVB102	Physics of the Very Small
Year 2 Semester 1	
PVB203	Experimental Physics
SEB116	Experimental Science 2
Year 2 Semester 2	
PVB200	Computational and Mathematical Physics
Science Core Unit Option	
Year 3 Semester 1	
PQB360	Introduction to Climate Change
PVB210	Stellar Astrophysics
Year 3 Semester 2	
PVB204	Electromagnetism

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PVB220	Cosmology
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Semester 2 (July) commencements	
Year 1, Semester 2	
PVB102	Physics of the Very Small
SEB104	Grand Challenges in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
SEB113	Quantitative Methods in Science
Year 3, Semester 1	
PVB203	Experimental Physics
PVB210	Stellar Astrophysics
Year 3, Semester 2	
PVB204	Electromagnetism
PVB220	Cosmology
Year 4, Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5, Semester 1	
PQB360	Introduction to Climate Change
Science Core Unit Option	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - Semester 2	
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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- [Year 5 - Semester 1](#)
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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
Foundation Unit Option	
Year 3 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, Semester 1	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - Semester 2	
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - Semester 1	
EGB375	Design of Concrete Structures
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGH400-1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced Computer & Software Systems Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Computer & Software Systems Option Unit	
CAB432	Cloud Computing

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - Semester 1	
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time .	
Year 4 - Semester 1	
EGB340	Design and Practice
Foundation Unit Option	
Year 4 - Semester 2	
Intermediate Electrical Option Unit (2)	
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
Advanced Electrical Option Unit (1)	

Advanced Electrical Option Unit (2)	
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	
Advanced Electrical Option Unit (5)	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - Semester 2	
EGB242	Signal Analysis
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - Semester 2	
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - Semester 1	
EGH400-1	Research Project 1

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EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB322	Thermodynamics

EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - Semester 1	
EGB220	Mechatronics Design 1

Intermediate Mechanical Option Unit	
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - Semester 2	
EGH400-2	Research Project 2
Advanced Mechanical Option Unit	
EGH446	Autonomous Systems
Advanced Electrical Option Unit	

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Code	Title
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - Semester 2	

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EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials

Year	2021
QUT code	ST10
CRICOS	080487J
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,600 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	Dr Melody de Laat
Discipline Coordinator	Dr Melody de Laat (Biological Sciences), Dr James Blinco (Chemistry), Dr Christoph Schrank (Earth Sciences), Professor Stuart Parsons (Environmental Science), Dr Konstantin Momot [SEM-1]/ Professor Ken Ostrikov [SEM-2] (Physics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree in science or relevant discipline with a minimum grade point average of 5.00 (on QUT's 7-point scale), completed within the last 5 years, *plus*:

- Suitable honours topic
- Proposed honours supervisor

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Entry Requirements or relevant discipline

plus

:

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Bachelor of Science (Honours) allows you to further develop specific areas of expertise in science by providing extended modern and rigorous training in science. It prepares you both for higher-level graduate careers in industry and government and for research at PhD or Research Masters level.

Through a combination of research and advanced coursework units, you will pursue specialised studies in an area of mutual interest with a personal research mentor/supervisor. You will develop high level skills in a specific discipline area (Biological Science, Earth Science, Environmental Science, Chemistry or Physics) and acquire research skills appropriate to your discipline. Coursework units provide you the opportunity to develop much more advanced skills and knowledge compared with those built in the undergraduate course. You will design and undertake experimental programs in either laboratory or field settings to solve complex problems. A research project allows you to demonstrate your advanced academic capability and culminates in the completion of an honours thesis.

Course Design

Requirements for the completion of ST10 Bachelor of Science(Honours) (Study Area A) are as follows:

STUDY AREA A: 96 credit points (6 units) comprising One (1) Major from the following:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

Each Major is comprised of the Core units Foundations of Research and Reviewing the Field, and the choice of either the *Expanded Research* Strand or the *Extended Coursework* Strand.

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Research, Graduate employment in industry or government.

Professional Recognition

Membership in professional organisations is not specifically tied to the completion of an Honours degree as entry requirements are met by the completion of the Bachelors degree.

Pathways to Further Study

The QUT Bachelor of Science (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Honours provides the key research pathway to postgraduate study. The program is

Bachelor of Science (Honours)

designed to easily articulate into a Master of Science (Research) with one year advanced standing or into a PhD (depending upon the level of Honours attained).

Domestic Course structure

You must complete 96 credit points (8 units) from one of the following study areas:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

International Course structure

You must complete 96 credit points (8 units) from one of the following study areas:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

Sample Structure

Code	Title
Semester 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB403-3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester 2	
STB403-4	Honours Research Project 4
STB403-5	Honours Research Project 5
STB403-6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB412	Advanced Experimental Chemistry Techniques
STB403-3	Honours Research Project 3
Semester 2	
STB403	Honours Research Project 4

-4	
STB403-5	Honours Research Project 5
STB403-6	Honours Research Project 6
STB413	Frontiers of Chemistry

Code	Title
Semester 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB403-3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester 2	
STB403-4	Honours Research Project 4
STB403-5	Honours Research Project 5
STB403-6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB403-3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester 2	
STB403-4	Honours Research Project 4
STB403-5	Honours Research Project 5
STB403-6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB403-3	Honours Research Project 3

Elective unit	
Semester 2	
SEB403-4	Honours Research Project-4
STB403-5	Honours Research Project 5
STB403-6	Honours Research Project 6
Elective unit	
Elective units for ST10 Physics Major (Sem1 and Sem 2)	
PCN112	Medical Imaging Science
PCN113	Radiation Physics
PCN211	Physics of Medical Imaging
PCN212	Radiotherapy
STB414	Advanced Quantum Mechanics
STB415	Solid State Physics and Nanomaterials

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	Associate Professor Peter Prentis

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Biology (Units 3 & 4, B); *and*
- completion of Year 12 or attained age 18 years.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science, Physics, or Psychology (Units 3 & 4, C)
- Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5

Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Biology (Units 3 & 4, B); *and*
- You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank](#)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Biology (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complimentary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

- Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complimentary studies (2 minors).

Bachelor of Science Advanced (Honours) (Biological Sciences)

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

- Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

Sample Structure

The Biological Sciences major in the Bachelor of Science Advanced (Honours) is structured to provide high-achieving students with a strong applied knowledge of biology, building on foundational knowledge obtained in high school. The major will extend understanding of the structure, function and diversity of living things, from cells to whole organisms, including key areas of plant and animal biology and microbiology and the interaction with each other and the environment. The Biological Sciences major is complemented and extended with a minor in either Biotechnology & Genetics or Wildlife Ecology or a minor specifically tailored to future research goals. Students will study units in their first semester which help them identify which area they wish to pursue. By integrating theory and practice and with a strong focus on experimental design, students will learn to apply key biological principles to important areas such as conservation, food security and biotechnology that will lead to research opportunities third and fourth year research units. All students in the major will have the opportunity to participate in research-based activities in these or other key areas of biology through the ST20 core units and through extracurricular activities. Graduates of the Biological Science major will be skilled at the desk, in the laboratory and in the field with strong skills in one of the areas closely aligned to research. They will have advanced research skills and critical thinking ability needed to tackle real-world problems in biology and undertake cutting edge research. These attributes will support high-achieving students in post-graduate study and a research career.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
MXB100	Introductory Calculus and Algebra
BVB317	Principles of Genomics and Biotechnology
or	
BVB214	Vertebrate Life
Biology Minor Unit 1	
Year 1, Semester 2	
BVB201	Biological Processes
MXB107	Introduction to Statistical Modelling
STB100	Research Skills and Techniques
Biology Minor Unit 2	
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB203	Plant Biology
BVB301	Animal Biology
Biology Minor Unit 3	
Year 2, Semester 2	
BVB204	Ecology
BVB313	Population Genetics and Molecular Ecology
MXB261	Modelling and Simulation Science
STB200	Advanced Research Skills and Techniques
Year 3, Semester 1	
BVB305	Microbiology and the Environment
MXB242	Regression and Design
STB310-1	Science Research 1
Biological Sciences Major Unit Option 1	
Year 3, Semester 2	
STB300	Advanced Science Symposium
STB310-2	Science Research 2
Biology Minor Unit 4	
Biological Sciences Major Unit Option 2	
Year 4, Semester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	

STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Chemistry (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Chemistry (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

- Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

- Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension

Bachelor of Science Advanced (Honours) (Chemistry)

minor

- Advanced Science minor

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)
- [Chemistry Core Unit Options](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
Maths Minor unit	
Chemistry Major Option	
Core Unit Option	
Year 1, Semester 2	
CVB204	Organic Structure and Mechanisms
STB100	Research Skills and Techniques
Chemistry Minor Unit	
Maths Minor unit	
Year 2, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
CVB301	Organic Chemistry: Strategies for Synthesis
Maths Minor unit	
Year 2, Semester 2	
CVB203	Physical Chemistry
CVB303	Coordination Chemistry
STB200	Advanced Research Skills and Techniques
Chemistry Minor Unit	
Year 3, Semester 1	
CVB302	Applied Physical Chemistry
STB310-1	Science Research 1
Chemistry Minor Unit	
Chemistry Minor Unit	
Year 3, Semester 2	
STB300	Advanced Science Symposium
STB310-2	Science Research 2
Maths Minor unit	
Chemistry Major Option	
Year 4, Semester 1	
STB412	Advanced Experimental Chemistry Techniques
STH420-1	Advanced Research 1

STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB413	Frontiers of Chemistry
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6
Chemistry Core Unit Options	
Select 12cp from:	
BVB214	Vertebrate Life
BVB317	Principles of Genomics and Biotechnology
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
ERB203	Sedimentary Geology and Stratigraphy
PVB103	Foundations of Physics (Advanced)
PVB104	Optics

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100,

Bachelor of Science Advanced (Honours) (Earth Science)

STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complimentary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

Sample Structure

Earth Science is critical for Australia's future sustainable development as our natural resources are a major building block of the nation's economy. Geoscientists play a leading role in finding, developing and managing these resources, as well as studying climate change and managing environmental issues, such as chronic water shortage, dry land salinity and coastal development.

An understanding of Planet Earth is fundamental to your career as a Scientist. Earth Science provides us with an understanding of Earth materials, the natural processes acting in and upon our planet, and its history. You will gain advanced skills needed to become a professional Earth Scientist with special emphasis on hands-on skills acquired through laboratory work and field studies for both resource exploration and management and environmental applications. The program provides you with particular strengths in the areas of sedimentary geology, structural geology, igneous processes and geology, hydrogeology, marine geology, and environmental geology - all these subject areas are of particular importance to Queensland and key industrial sectors that underpin our economy. The Earth Science major in the Bachelor of Science Advanced (Honours) will qualify you with an advanced and coherent knowledge in Earth Science.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)

• [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
ERB202	Marine Geoscience
ERB205	Earth Materials
Maths Minor Unit 1	
Year 1, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
ERB206	Petrology
STB100	Research Skills and Techniques
Year 2, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB301	Chemical Earth
ERB302	Applied Geophysics
Maths Minor Unit 2	
Year 2, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB306	Earth's Mineral Resources
STB200	Advanced Research Skills and Techniques
Maths Minor Unit 3	
Year 3, Semester 1	
ERB305	Geological Field Methods
STB310-1	Science Research 1
Earth Science Major Unit Option 1	
Maths Minor Unit 4	
Year 3, Semester 2	
ERB304	Dynamic Earth: Plate Tectonics
STB300	Advanced Science Symposium
STB310-2	Science Research 2
Earth Science Major Unit Option 2	
Year 4, Semester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB411	Advanced Topics in Earth, Environmental and Biological

	Research
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

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Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an Environmental Science Major are:

- Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an

Bachelor of Science Advanced (Honours) (Environmental Science)

Environmental Science Major are:

- Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

Sample Structure

The Environmental Science major in the Bachelor of Science Advanced (Honours) will qualify students with an advanced and coherent knowledge of environmental processes and systems. The study of Environmental Science provides an in depth knowledge of the Earth's natural resources and an understanding of the mechanisms, natural processes and human impacts that shape environmental systems. Environmental Scientists play an integral role in managing Australia's future sustainable development, environment impacts and resource management while minimising impacts and degradation.

Within this major students will gain the skills required to pursue a career as a professional environmental scientist, science educator or resource manager. This will be achieved with an emphasis on developing theoretical understanding of environmental processes and systems together with hands-on skill development and hypothesis testing through practical and field studies. The major will provide students with particular strengths in the areas of land resources, environmental impacts, geographic information systems and field mapping, systems modelling and environmental management.

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
ERB201	Destructive Earth: Natural Hazards
EVB203	Geospatial Information Science
MXB100	Introductory Calculus and Algebra
Year 1, Semester 2	
EGB383	Environmental Resource Management
ERB101	Earth Systems
STB100	Research Skills and

	Techniques
	Statistical Modelling Minor Unit 2
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EGB274	Environmentally Sustainable Design
EVB312	Soils and the Environment
	Statistical Modelling Minor Unit 3
Year 2, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
STB200	Advanced Research Skills and Techniques
	Statistical Modelling Minor Unit 4
Year 3, Semester 1	
BVB311	Conservation Biology
PQB360	Introduction to Climate Change
STB310-1	Science Research 1
	Environmental Science Major Unit Option 1
Year 3, Semester 2	
ERB310	Groundwater Systems
STB300	Advanced Science Symposium
STB310-2	Science Research 2
	Environmental Science Major Unit Option 2
Year 4, Semester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); *and*
- Mathematical Methods (Units 3 & 4, C); *and*
- Physics (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); *and*
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, or Marine Science (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

[Find out if you're eligible for an adjustment to your ATAR or selection rank.](#)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the [Guide to entry thresholds](#).

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

- Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

- Mathematics for Physics minor

Bachelor of Science Advanced (Honours) (Physics)

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
Maths Minor Unit (MXB100 or MXB322)	
PVB103	Foundations of Physics (Advanced)
PVB104	Optics
Year 1, Semester 2	
Maths Minor Unit (MXB103)	
Maths Minor Unit (PVB200)	
STB100	Research Skills and Techniques
Physics Minor Unit	
Year 2, Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
PVB301	Materials and Thermal Physics
Physics Minor Unit	
Year 2, Semester 2	
PVB204	Electromagnetism
STB200	Advanced Research Skills and Techniques
Physics Minor Unit	
Physics Minor Unit	
Year 3, Semester 1	
Maths Minor Unit (MXB201)	
PVB302	Classical and Quantum Physics
STB310-1	Science Research 1
Physics Major Unit Option	
Year 3, Semester 2	
STB300	Advanced Science Symposium
STB310-2	Science Research 2
PVB303	Nuclear and Particle Physics
Physics Major Unit Option	
Year 4, Semester 1	
STB414	Advanced Quantum Mechanics

STH420-1	Advanced Research 1
STH420-2	Advanced Research 2
STH420-3	Advanced Research 3
Year 4, Semester 2	
STB415	Solid State Physics and Nanomaterials
STH420-4	Advanced Research 4
STH420-5	Advanced Research 5
STH420-6	Advanced Research 6
Course Notes	

Year	2021
QUT code	IN14
CRICOS	0101552
Duration (full-time)	6 months
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

**You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.*

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Business Analysis you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core units; plus
- 24 credit points of discipline option

units selected from an approved list of units.

International Course structure

To graduate with a Certificate in Business Analysis you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core units; plus
- 24 credit points of discipline option units selected from an approved list of units.

Sample Structure

Code	Title
Course Notes	
IFN515	Fundamentals of Business Process Management
IFN562	Advanced Business Analysis
Select 24 credit points from the Business Analysis Unit Options List:	
IFN521	Foundations of Decision Science
IFN561	Enterprise Systems Lifecycle Management
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction
IFN631	IT Governance
IFN662	Enterprise Systems and Applications

Year	2021
QUT code	IN15
CRICOS	0101553
Duration (full-time)	6 months
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

**You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.*

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Computer Science you are required to complete 48 credit points of course units consisting of:

- 12 credit points of core units,

comprising of two 6 credit points units; plus

- 36 credit points of discipline option units selected from an approved list of units.

International Course structure

To graduate with a Certificate in Computer Science you are required to complete 48 credit points of course units consisting of:

- 12 credit points of core units, comprising of two 6 credit points units; plus
- 36 credit points of discipline option units selected from an approved list of units.

Sample Structure

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#).

Code	Title
Year 1, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
Select 36 credit points from the Computer Science Unit Options List:	
IFN507	Network Systems
IFN509	Data Exploration and Mining
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN657	Principles of Software Security
IFN666	Web and Mobile Application Development

Year	2021
QUT code	IN16
CRICOS	0101554
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

**You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.*

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Cyber Security and Networks you are required to complete 48 credit points of course units consisting of:

- 36 credit points of core units; plus

- 12 credit points of discipline option units selected from an approved list of units.

International Course structure

To graduate with a Certificate in Cyber Security and Networks you are required to complete 48 credit points of course units consisting of:

- 36 credit points of core units; plus
- 12 credit points of discipline option units selected from an approved list of units.

Sample Structure

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#).

Code	Title
Year 1, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
IFN507	Network Systems
IFN541	Information Security Management
Select 12 credit points from the Cyber Security and Networks Unit Options List:	
IFN591	Principles of User Experience
IFN657	Principles of Software Security

Year	2021
QUT code	IN17
CRICOS	086328J
Duration (full-time international)	6 months
International fee (indicative)	2021: \$16,300 per course (48 credit points)
Total credit points	48
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

International Entry requirements

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Pathway to the Master of Information Technology

- Graduate Certificate in Communication for Information Technology (IN17) (one semester) to [Master of Information Technology](#) (IN20) (three semesters)

Students with bachelor degrees in disciplines other than information technology may consider the [University Certificate in Tertiary Preparation for Postgraduate Studies](#) (QC06) or [English for Academic Purposes](#) pathways.

Pathway to Master of Data Analytics

- Graduate Certificate in Communication for Information Technology (IN17) (one semester) leading to [Master of Data Analytics](#) (IN27) (three semesters)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.0
Listening	5.0
Reading	5.5
Writing	5.5
Speaking	5.0

Successful completion of QUT's English for Academic Purposes (EAP)(Direct Stream) with 50% or better or QC32 English for Academic Purposes 2.

Course Design

The Graduate Certificate in Communication for Information Technology will provide you with core discipline studies and communication knowledge and skills.

The course structure consists of 48 credit points of units. There are two common core communications units (24cp) and two information technology unit options (24cp) from the following information technology areas: Computer Science/Data Science, Enterprise Systems, Networks, Security, or Business Process Management.

NB: If you intend to follow a major pathway into IN20/21 MIT you should select the recommended IT units for those majors on commencement of IN17.

Pathways to Further Study

The QUT Graduate Certificate in Communication for Information Technology is located at Level 8 of the Australian Qualifications Framework (AQF). Eligible graduates may articulate from the Graduate Certificate in Communication for Information Technology into the related [IN20 Master of Information Technology/ IN21 Master of Information Technology - Graduate Entry](#) course.

International Course structure

The course structure consists of 48 credit points of units. There are two common core communications units (24 credit points) and two information technology unit options (24 credit points) from the following information technology areas:

- computer science/software development
- cyber security and networks
- business analysis
- business process management
- data science
- enterprise systems
- executive IT

NOTE: You should select the recommended IT units for your [chosen major](#) on commencement of IN17. Please contact the Course Coordinator for assistance with any IT unit selection.

Sample Structure Important Course Information

You should select the recommended IT units for your [chosen major](#) on commencement of IN17. Please contact the Course Coordinator for assistance with any IT unit selection.

Information Technology unit options are available from the following IT areas:

Business Process Management related units - IFN515, *IFN521*, *IFN562*
 Business Analysis related units - IFN562, *IFN561*, *IFN515*, *IFN521*
 Computer Science related units - IFN563 (6CP) + IFN564 (6CP), *IFN507*, *IFN509*, *IFN541*, *IFN591*
 Cyber Security & Networks related units - IFN507, IFN541, *IFN591*

Graduate Certificate in Communication for Information Technology

Decision Science related units -

IFN509, *IFN521*

Software Development related units -

IFN563 (6CP) + IFN564 (6CP)

Enterprise Systems related units -

IFN515, IFN541, IFN561, IFN562

Executive IT related units -

IFN561, *IFN521*

* *Italics = option units in the MIT major*

PLEASE NOTE: IFN563 and IFN564 are 6 credit point (cp) units (delivered in block mode - 5 week teaching period).

IMPORTANT: When you select a 6cp unit you must select another 6cp unit together with it. The units are delivered in 5 week teaching period:

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#).

Code	Title
UNIT LIST	
Core units:	
QCD111	Communication 1
QCD211	Communication 2
Plus select 24 credit points from the Postgraduate Information Technology Unit Options List:	
IFN564	Data Structures and Algorithms
IFN563	Object Oriented Design
(Note: IFN563 and IFN564 are 6 credit points units, hence the block delivery)	
IFN507	Network Systems
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science
IFN562	Advanced Business Analysis
IFN561	Enterprise Systems Lifecycle Management
IFN509	Data Exploration and Mining
NOTE: If you select a 6 credit point unit, you must select another 6 credit point to ensure you meet the required course credit points. Example: IFN563 (6CP) + IFN564 (6CP).	

Year	2021
QUT code	IN18
CRICOS	0101555
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline; *or*

A recognised diploma (or higher qualification) in any discipline and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*

At least five years full-time (or equivalent) professional work experience in the information technology field.

International Entry requirements

A completed recognised bachelor degree (or higher) in any discipline.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)

Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Information Technology you are required to complete 48 credit points of course units consisting of:

- 48 credit points of core units, comprising of eight 6 credit points of IT foundation units.

International Course structure

To graduate with a Certificate in Information Technology you are required to complete 48 credit points of course units consisting of:

- 48 credit points of core units, comprising of eight 6 credit points of IT foundation units.

Sample Structure

Note: These Foundation Units are 6 credit points unit and are delivered in 5 week teaching period.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in

semester 2.

When you enrol in a 6cp unit you must enrol in another 6cp unit together with it (one unit in 5-Week-A and the other in 5-Week-B for semester 1; and one unit in 5-Week-C and the other 5-Week-D for semester 2)

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#).

Code	Title
Year 1, Semester 1	
IFN551	Computer Systems Fundamentals
IFN552	Systems Analysis and Design
IFN553	Introduction to Security and Networking
IFN554	Databases
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
IFN557	Rapid Web Development
IFN558	Management Information Systems

Year	2021
QUT code	IN25
CRICOS	093729M
Duration (full-time)	6 months
Duration (part-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,500 per course (48 credit points)
International fee (indicative)	2021: \$17,300 per course (48 credit points)
Total credit points	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Syed Abbas Zaidi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or business

or

A recognised bachelor degree (or higher qualification) in any other discipline *plus* three years full-time (or equivalent) professional experience in information technology or business

or

A recognised diploma (or higher qualification) in information technology or business *plus* at least two years full-time (or equivalent) professional work experience in information technology or business

or

At least five years full-time (or equivalent) professional work experience in information technology or business

International Entry requirements

A completed recognised bachelor degree in the field of information technology or business; *or*

A completed recognised bachelor degree (or higher award) in any discipline *and* three years industry experience in business or information technology related fields.*

**You must provide a detailed curriculum vitae and employer statements with your application. These must include position details and roles and responsibilities. All work experience must be post degree studies.*

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To be eligible for the Graduate Certificate in Business Process Management:

- students are required to complete 48 credit points of units.
- students must complete two core BPM units (24 credit points)
- students must take two units (24 credit points) of electives from the list of approved elective units provided.

International Course structure

To be eligible for the Graduate Certificate in Business Process Management:

- students are required to complete 48 credit points of units.
- students must complete two core BPM units (24 credit points)
- students must take two units (24 credit points) of electives from the list of approved elective units provided.

Sample Structure

Code	Title
Year 1, Semester 1	
IFN515	Fundamentals of Business Process Management
IFN650	Business Process Analytics
OR	
IFN652	Enterprise Business Process Management
Select 24 credit points from the Business Process Management Unit Options List:	
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
IFN650	Business Process Analytics
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation

Code	Title
Year 1, Semester 1	
IFN515	Fundamentals of Business Process Management
IFN650	Business Process Analytics
OR	
IFN652	Enterprise Business Process Management
Year 1, Semester 2	
BPM Elective	
BPM Elective	

Year	2021
QUT code	IN26
CRICOS	098600K
Duration (full-time international)	6 months
Duration (part-time domestic)	1- 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,200 per course (48 credit points)
International fee (indicative)	2021: \$17,200 per course (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Dom. Start Months	July, February If starting in February you can choose to enrol full-time and finish in 6 months
Course Coordinator	Associate Professor Yue Xu (Data Science), Professor Chris Drovandi (Statistical Science)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline; *or*

A recognised diploma (or higher qualification) in any discipline *and* at least two years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field; *or*

At least five years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

You must complete 48 credit points of course units, consisting of:

- 1 core unit (12 credit points)
- 36 credit points of elective units selected from an approved list.

International Course structure

You must complete 48 credit points of course units, consisting of:

- 1 core unit (12 credit points)
- 36 credit points of elective units selected from an approved list.

Sample Structure

PLEASE NOTE: Elective units - IFN552, IFN554, IFN555 and IFN556 are 6 credit point (cp) units (delivered in block mode - 5 week teaching period).

Important: When you select a 6cp unit you must select another 6cp unit (ideally one unit in first half of the semester and the other in the second half of the semester to balance enrolment load).

IFN552, IFN554, IFN555 and IFN556 are delivered in 5 Week teaching sessions commencing in either week 1 or week 9 of semester 1 & 2:

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#).

Code	Title
Unit Set	
IFN619	Data Analytics for Strategic Decision Makers
PLUS Select 36 credit points from the Electives option list:	
[The units are classified in streams as a guide to assist you in focusing your studies. You may wish to pick and choose combination of units depending on your needs and interests]	
IFN509	Data Exploration and Mining (IFN509: data analysis/ data-driven/ data systems development focus)
IFN515	Fundamentals of Business Process Management (IFN515: data-driven decision making focus)
IFN552	Systems Analysis and Design (IFN552+IFN556: data systems development focus/ IFN552+IFN554: data-driven decision making focus)
IFN554	Databases (IFN554+IFN555: data analysis/ data systems development focus/ IFN554+IFN552 data-driven decision making focus)
IFN555	Introduction to Programming (IFN555+IFN554: data analysis/ data systems development focus/ IFN555+IFN556: data-driven decision making focus)
IFN556	Object Oriented Programming (IFN556+IFN555: data-driven decision making focus/ IFN556+IFN552: data systems development focus)
MXN500	Statistical Data Analysis (MXN500: data analyst/ data-driven decision making/ data systems development)
Note:	
IFN501 Programming Fundamental (data systems development focus) is	

permitted to count towards the option if completed prior to 2020. It is replaced by IFN555 (6CP) and IFN556 (6CP) which are delivered in block mode - 5 week teaching period.

Year	2021
QUT code	IQ14
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Business Analysis is a course designed for existing professionals who have a background working in IT, and wish to upskill in business analysis.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Certificate in Business Analysis with the following:

- a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- a completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT-related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Business Analysis, you must complete a total of 48 credit points.

Units

Advanced Business Analysis
 Fundamentals of Business Process Management
 Foundations of Decision Science
 Enterprise Systems Lifecycle Management

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	IQ15
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Computer Science is a course designed for existing professionals who have a background working in IT, and wish to upskill in Computer Science.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Certificate in Computer Science with the following:

- a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- A completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Computer Science, you must complete a total of 48 credit points.

Micro units (6 credit point)

Object Oriented Design
Data Structures and Algorithms

Units (12 credit point)

Information Security Management
Data Exploration and Mining
Web and Mobile App Development

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	IQ16
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$12,900 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Cyber Security and Networks is a course designed for existing professionals who have a background in IT, and wish to upskill in cyber security.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Certificate in Cyber Security and Networks with the following:

- a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- a completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Cyber Security and Networks, you must complete a total of 48 credit points.

Micro units (6 credit point)

Object Oriented Design
Data Structures and Algorithms

Units (12 credit point)

Information Security Management
Network Systems
Data Privacy and Security

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	IQ18
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Information Technology is ideal for professionals seeking to transition into the ICT industry.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Certificate in Information Technology with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in any discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT related field.

Course structure

To meet the course requirements for the Graduate Certificate in Information Technology, you must complete a total of 48 credit points.

Micro units (6 credit points)

Computer Systems Fundamentals
Systems Analysis and Design
Introduction to Security and Networking
Databases
Introduction to Programming
Object Oriented Programming
Rapid Web Development
Management Information Systems

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	IQ26
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,200 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,200 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Data Analytics will enhance your understanding of data analytics and the fundamental role data analysts play in providing the rationale for an organisation's ongoing evolution.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Certificate in Data Analytics with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in any discipline and two years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field; or
- five years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field.

Course structure

To meet the course requirements for the Graduate Certificate in Data Analytics, you must complete a total of 48 credit points.

Core unit (12 credit points)

Data Analytics for Strategic Decision Makers

Elective units (12 credit points)

Statistical Data Analysis
Data Exploration and Mining
Fundamentals of Business Process Management

Micro units (6 credit points)

Introduction to Programming
Object Oriented Programming

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	IN19
CRICOS	0101556
Duration (full-time domestic)	6 - 12 months
Duration (full-time international)	1 year
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	96
Credit points part-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements 1 year program

- A recognised bachelor degree (or higher qualification) in any discipline; *or*
- A recognised diploma (or higher qualification) in information technology and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*
- At least five years full-time (or equivalent) professional work experience in the information technology field

0.5 year program

- Successful completion of QUT's [IN18 Graduate Certificate in Information Technology](#)

International Entry requirements 1 year program

- A recognised bachelor degree (or higher qualification) in any discipline; *or*
- A recognised diploma (or higher qualification) in information technology and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*
- At least five years full-time (or equivalent) professional work experience in the information technology field

0.5 year program

- Successful completion of QUT's [IN18 Graduate Certificate in Information Technology](#)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Graduate Diploma in Information Technology you are required to complete 96 credit points of course units consisting of:

- 48 credit points of core units, comprising of eight 6 credit points of

- IT foundation units; plus
- 48 credits points of discipline units from your chosen major selection.

Study Areas

Select a major from the following disciplines:

- Business Analysis
- Computer Science
- Cyber Security and Networks

International Course structure

To graduate with a Graduate Diploma in Information Technology you are required to complete 96 credit points of course units consisting of:

- 48 credit points of core units, comprising of eight 6 credit points of IT foundation units; plus
- 48 credits points of discipline units from your chosen major selection.

Study Areas

Select a major from the following disciplines:

- Business Analysis
- Computer Science
- Cyber Security and Networks

Sample Structure

Note: These Foundation Units are 6 credit points unit and are delivered in 5 week teaching period.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

When you enrol in a 6cp unit you must enrol in another 6cp unit together with it (one unit in 5-Week-A and the other in 5-Week-B for semester 1; and one unit in 5-Week-C and the other 5-Week-D for semester 2)

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#).

Code	Title
Year 1, Semester 1	
IFN551	Computer Systems Fundamentals
IFN552	Systems Analysis and Design
IFN553	Introduction to Security and Networking
IFN554	Databases
IFN555	Introduction to Programming

Graduate Diploma in Information Technology

IFN556	Object Oriented Programming
IFN557	Rapid Web Development
IFN558	Management Information Systems

Code	Title
Unit List	
IFN515	Fundamentals of Business Process Management
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
Select 12 credit points from the Business Analysis Unit Options List:	
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN631	IT Governance
IFN662	Enterprise Systems and Applications

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#)'.

Code	Title
Unit List	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
Select 36 credit points from the Computer Science Unit Options List:	
IFN507	Network Systems
IFN509	Data Exploration and Mining
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN666	Web and Mobile Application Development

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the

semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#)'.

Code	Title
Unit List	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
IFN507	Network Systems
IFN541	Information Security Management
Select 12 credit points from the Cyber Security and Networks Unit Options List:	
IFN591	Principles of User Experience
IFN657	Principles of Software Security
LWQ70 2	Data Privacy and Security

Year	2021
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Diploma in IT (Business Analysis) is an ideal way for professionals coming from a background other than IT to gain foundational knowledge in Information Technology, with a particular focus on how ICT supports Business Analysis.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Business Analysis) with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in a relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in information Technology (Business Analysis), you must complete a total of 96 credit points.

Micro units (6 credit point)

Computer Systems Fundamentals
Systems Analysis and Design
Introduction to Security and Networking
Databases
Introduction to Programming
Object Oriented Programming
Rapid Web Development
Management Information Systems

Core units (12 credit point)

Enterprise Systems Lifecycle Management
Advanced Business Analysis
Fundamentals of Business Process Management
Foundations of Decision Science

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Diploma in Information Technology (Computer Science) will ensure you are ready to discover dynamic ways to use computational systems to develop effective and people-oriented ICT solutions, grounded in a sound design and problem solving methodology.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Computer Science) with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in Information Technology (Computer Science), you must complete a total of 96 credit points.

IT Micro units (6cp)

Computer Systems Fundamentals
Systems Analysis and Design
Introduction to Security and Networking
Databases
Introduction to Programming
Object Oriented Programming
Rapid Web Development
Management Information Systems

Computer Science Micro units (6cp)

Object Oriented Design
Data Structures and Algorithms

Computer Science Core units (12cp)

Information Security Management
Data Exploration and Mining
Web and Mobile App Development

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July, April, February
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Diploma in Information Technology (Cyber Security and Networks) is a course designed to open up a pathway for individuals from an unrelated field of study to transition into the ICT industry, acquiring foundational discipline knowledge and specialising in cyber security.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Cyber Security and Networks) with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in Information Technology (Cyber Security and Networks), you must complete a total of 96 credit points.

Micro units (6 credit point)

Computer Systems Fundamentals
Systems Analysis and Design
Introduction to Security and Networking
Databases
Introduction to Programming
Object Oriented Programming
Rapid Web Development
Management Information Systems

Cyber Security units (6 credit point)

Object Oriented Design
Data Structures and Algorithms

Core units (12 credit point)

Network Systems
Information Security Management
Data Privacy and Security

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

Year	2021
QUT code	PH71
CRICOS	020315D
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,400 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Andrew Fielding
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in one of the following fields:

- Biomedical, medical, medical electronics etc engineering
- Biophysics
- Electrical, avionics etc engineering
- Geophysics
- Mechanical engineering
- Medical physics
- Physics

The following degrees (or higher qualification) are not acceptable:

- Medical imaging
- Radiotherapy
- Medical radiation

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree (or higher award) in physics.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)

Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Career Outcomes

Graduates can seek employment in hospitals, health departments, tertiary institutions and medical instrumentation companies. Depending on the field of employment, graduates may be known as a medical physicist, health physicist or bio-engineer.

Professional medical/health physicists:

- apply electronic tools and medical software, ultrasonics, radiation and computers to clinical and environmental problems
- monitor the environment to maintain acceptable standards in the workplace and the community
- apply fundamental physical research in development programs
- are responsible for calibration, care and maintenance of instruments and apparatus.

Course Design

Stage 1— Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2— Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Professional Recognition

The course is accredited by the Australasian College of Physical Sciences and Engineers in Medicine.

Further Information

Science and Engineering Faculty - Phone +61 7 3138 8822, Email: sef.enquiry@qut.edu.au

Domestic Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for part-time students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

International Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in

Graduate Diploma in Applied Science (Medical Physics)

a suitable external institution.

Sample Structure

Code	Title
Year 1, Semester 1 (February to June)	
ENN515	Total Quality Management
LSN104	Advancing Anatomy and Physiology
PCN113	Radiation Physics
PCN211	Physics of Medical Imaging
Year 1, Semester 2 (July to October)	
PCN112	Medical Imaging Science
PCN212	Radiotherapy
PCN214	Health and Occupational Physics
PCN218	Research Methodology and Professional Studies

Year	2021
QUT code	IN20
CRICOS	083059E
Duration (full-time domestic)	2 years
Duration (full-time international)	1.5 - 2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

2 year program

A recognised bachelor degree (or higher) in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

1.5 year program

- A recognised bachelor degree (or higher) in information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale); *or*
- A recognised bachelor degree in any other discipline with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* 3 full-time years (or equivalent) of professional work experience in information technology.

1 year program

- A recognised bachelor honours degree in information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*
- A recognised graduate diploma (or higher) in information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*
- A recognised bachelor degree (or higher) in information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* completion with a minimum grade point average (GPA) score of 4.00 of one of QUT's:
 - [Graduate Certificate in Business Analysis](#)
 - [Graduate Certificate in Computer Science](#)
 - [Graduate Certificate in Cyber Security and Networks](#)

International Entry requirements

2 year program

A completed recognised bachelor degree in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale).

1.5 year program*

A completed recognised bachelor degree in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale); *or*

A completed recognised graduate certificate in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale).

1 year program*

A completed Australian honours bachelor degree in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale); *or*

A completed recognised graduate diploma in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale).

**Note: As part of QUT's application for admission process, you will be automatically assessed for the 1.5 or 1 year program, if eligible. If you wish to be considered for the 2 year program only, please indicate this on your application form.*

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

If you have an IELTS score of 6 (with Reading and Writing no less than 5.5) and (Listening and Speaking no less than 5) (or accepted equivalent), you may be considered for the Graduate Certificate in Communication for Information Technology pathway.

Course Overview

Graduates of the Master of IT degree will have the specialist knowledge and skills required for senior IT-related professional positions (both technical and managerial). The range of majors offered within the degree opens opportunities for students across the IT sector.

Students who graduate from this degree will have the ability to demonstrate advanced knowledge, based on research practices, in at least one IT discipline. They will undertake a significant research-based project that allows them to constructively apply the analytical skills they develop within an IT problem domain. The course will provide students with the ability to formulate best practice IT strategies and solutions and during this process create new IT discipline knowledge.

The degree aims to prepare students for work in a specialist IT area through a program of study that balances theoretical content, project-based experiences and industry-oriented perspectives.

Core Units

Students must complete core units in Research Based Practice, Project Management and a major Project or 2 small Projects on the approval of their Course Coordinator.

Majors

Students may select a major of 48 credit points from the following disciplines;

* Data Science

The data science major provides you with the knowledge and skills to extract information from large, complex and disparate data sets, using leading edge algorithms and tools.

* Enterprise Systems

Enterprise systems are engineered information systems that consist of applications and associated information, forming the fundamental structure of organisational processes in most large organisations. Enterprise systems provide comprehensive administrative systems and help to automate and streamline business processes.

* Security

The Security major provides you with the skills and knowledge appropriate for a information security professional. You will develop skills in risk management security policies and be aware of the technical security mechanisms and issues.

* Computer Science

The computer science major extends your understanding of computer programming beyond being a mere user of programming language to an appreciation of their design and implementation.

* Business Process Management

The Business Process Management Major will provide graduates with complementary skills and knowledge to create and align information systems to effectively support business and enable business strategy.

* Networks

The Networks major provides you with the practical skills and theoretical knowledge required by a network administrator. You will gain experience with designing, implementing and maintaining network systems for a wide range of organisations.

* Human Computer Interaction

The HCI major develops the advanced knowledge & skills in human-centred design activities involving emerging technologies in order to create new forms of human-computer interaction.

* Information Management

The Information Management major provides you with the skills and knowledge to find employment in the information management industry. You will gain awareness of the activities in which information management professionals are engaged, in various organisational contexts.

* No Major

Students may select any 4 Advanced level units

Masters Strand Options

Students must complete 72 credit points from the Transition/Advanced Unit Options

Course Completion Rules

Students should meet the following requirements before they are able to complete the Masters program:

For students with an undergraduate degree in an IT-related field wishing to complete the 2 year MIT:

- Students are required to complete 192 credit points of units.
- Students are required to complete the specified core units.
- Students wishing to specialise must complete the specific unit requirements for a major.
- Students wishing to complete their postgraduate studies without a single area of specialisation must satisfy the unit requirements for graduation with no major.
- Students may be allowed to take up to 72 credit points of electives from the list of approved elective units provided.

Entry Requirements

A completed recognised Level 7 Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Students who have completed a recognised Level 7 Bachelor Degree in the field of Information Technology and are eligible to enter IN21 (graduate entry) MUST indicate 2 year entry option at point of application.

Domestic Course structure

To meet the course requirements for the Master of Information Technology (Study Area A) you are required to complete 192 credit points of course units consisting of:

- 96 credit points of core units, which includes 48 credit points of IT foundation units, and 2 x 24 credit points of industry and research based project units.
- 60 credit points of discipline units from your selected Major.
- 36 credit points of IT related elective units selected from an approved list of units, which is drawn from units offered in each of the IT majors. The unit choices allow you to explore an area in more depth (e.g., Software Development, Data Science), or provide the opportunity for you to develop a breadth of understanding (e.g., Business Analysis, Computer Science).

International Course structure

To meet the course requirements for the Master of Information Technology (Study Area A) you are required to complete 192 credit points of course units consisting of:

- 96 credit points of core units, which includes 48 credit points of IT foundation units, and 2 x 24 credit points of industry and research based project units.
- 60 credit points of discipline units from your selected Major.
- 36 credit points of IT related elective units selected from an approved list of units, which is drawn from units offered in each of the IT majors. The unit choices allow you to explore an area in more depth (e.g., Software Development, Data Science), or provide the opportunity for you to develop a breadth of understanding (e.g., Business Analysis, Computer Science).

Sample Structure

Code	Title
Year 1, Semester 1 or Semester 2	
IFN551	Computer Systems Fundamentals
IFN552	Systems Analysis and Design
IFN554	Databases
IFN555	Introduction to Programming
IFN553	Introduction to Security and Networking
IFN556	Object Oriented Programming
IFN557	Rapid Web Development
IFN558	Management Information Systems

Master of Information Technology

IN20MJR-BUSANAL (60cp)

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Business Analysis Unit Options](#)
- [Select 24 credit points from the Business Analysis Unit Options List:](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
Business Analysis Option unit	
Business Analysis Option unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
MIT Elective Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
Business Analysis Option unit	
Year 3, Semester 1	
IFN711	IT Industry Project
Business Analysis Option unit	
MIT Elective Unit	
Business Analysis Unit Options	
Select 24 credit points from the Business Analysis Unit Options List:	
IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science

IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction
IFN650	Business Process Analytics
IFN662	Enterprise Systems and Applications

IN20MJR-BUSPMGT (60cp)

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Business Process Management Unit Options](#)
- [Select 12 credit points from the Business Process Management Unit Options List:](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN515	Fundamentals of Business Process Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN650	Business Process Analytics
Business Process Management Option Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN515	Fundamentals of Business Process Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
Year 3, Semester 1	
IFN711	IT Industry Project

IFN650	Business Process Analytics
Business Process Management Option Unit	
Business Process Management Unit Options	
Select 12 credit points from the Business Process Management Unit Options List:	
IFN521	Foundations of Decision Science
IFN562	Advanced Business Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction
IFN662	Enterprise Systems and Applications
IFN663	Advanced Enterprise Architecture

IN20MJR-COMPSC

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#)'.

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Computer Science Unit Options](#)
- [Select 36 credit points from the Computer Science Unit Options List:](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elective Unit	
MIT Elective Unit	

Master of Information Technology

MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN664	Advanced Algorithms and Computational Complexity
Computer Science Option Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Computer Science Option Unit	
Computer Science Option Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Computer Science Option Unit	
Computer Science Option Unit	
Year 3, Semester 1	
IFN711	IT Industry Project
IFN664	Advanced Algorithms and Computational Complexity
Computer Science Option Unit	
Computer Science Unit Options	
Select 36 credit points from the Computer Science Unit Options List:	
IFN507	Network Systems
IFN509	Data Exploration and Mining
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN647	Text, Web and Media Analytics
IFN644	Network Operations and Security
IFN648	Applied Cryptography
IFN657	Principles of Software Security
IFN666	Web and Mobile Application Development
IFN680	Artificial Intelligence and Machine Learning
IFN692	Interaction Design for Emerging Technologies

IN20MJR-SECUR v2> (60cp)

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)

- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Cyber Security and Networks Unit Options](#)
- [Select 12 credit points from the Cyber Security and Networks Unit Options List:](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN507	Network Systems
IFN541	Information Security Management
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN648	Applied Cryptography
Cyber Security and Networks Option Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN649	Advanced Networks
MIT Elective Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN541	Information Security Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN507	Network Systems
IFN649	Advanced Networks
Year 3, Semester 1	
IFN711	IT Industry Project
IFN648	Applied Cryptography
Cyber Security and Networks Option Unit	
Cyber Security and Networks Unit Options	
Select 12 credit points from the Cyber Security and Networks Unit Options List:	
ENN523	Advanced Network Engineering
ENN524	Mobile Network Engineering
IFN591	Principles of User Experience
IFN657	Principles of Software Security

IN20MJR-DATASC (60cp)

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Data Science Unit Options](#)
- [Select 48 credit point from the Data Science Major Unit Options List:](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN509	Data Exploration and Mining
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
Data Science Option Unit	
Data Science Option Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Data Science Option Unit	
Data Science Option Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN509	Data Exploration and Mining
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Data Science Option Unit	
Data Science Option Unit	
Year 3, Semester 1	
IFN711	IT Industry Project
Data Science Option Unit	
Data Science Option Unit	
Data Science Unit Options	
Select 48 credit point from the Data Science Major Unit Options List:	
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN645	Large Scale Data Mining
IFN646	Biomedical Data Science
IFN647	Text, Web and Media Analytics
IFN680	Artificial Intelligence and

Machine Learning

IN20MJR-ENTSYS (60cp)

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Enterprise Systems Unit Options](#)
- [Select 12 credit points from the Enterprise Systems Unit Options List:](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN561	Enterprise Systems Lifecycle Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN662	Enterprise Systems and Applications
IFN667	Enterprise IoT Systems
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
Enterprise Systems Option Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN561	Enterprise Systems Lifecycle Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
Enterprise Systems Option Unit	
Year 3, Semester 1	
IFN711	IT Industry Project
IFN662	Enterprise Systems and Applications
IFN667	Enterprise IoT Systems
Enterprise Systems Unit Options	
Select 12 credit points from the Enterprise Systems Unit Options List:	

IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science
IFN541	Information Security Management
IFN562	Advanced Business Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction

IN20MJR-EXECIT (60cp)

Enrolment Information

IAB402 Information Systems Consulting - If you have completed this unit or an equivalent unit in your previous studies, you will need to complete an alternative unit instead. Recommended replacement unit from the Executive IT major unit option list: IFN619, IFN652 or IFN662. Please contact the faculty for assistance in updating your Study Plan accordingly.

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)
- [Executive IT Unit Options](#)
- [Select 12 credit points from the Executive IT Unit Options List:](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN631	IT Governance
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN561	Enterprise Systems Lifecycle Management
IAB402	Information Systems Consulting
(note: IAB402: if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated)	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture

Executive IT Option Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN561	Enterprise Systems Lifecycle Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN631	IT Governance
IFN663	Advanced Enterprise Architecture
Year 3, Semester 1	
IFN711	IT Industry Project
IAB402	Information Systems Consulting
(note: IAB402: if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated)	
Executive IT Option Unit	
Executive IT Unit Options	
Select 12 credit points from the Executive IT Unit Options List:	
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction
IFN652	Enterprise Business Process Management
IFN662	Enterprise Systems and Applications
MGN565	Consulting and Change Management
MGN505 has been discontinued (30/06/2021) and replaced by MGN565	

IN20MJR-SOFTDEV (60cp)

Important Enrolment Information: 6 Credit Points (cp) Units -

IFN563 and IFN564 are 6cp units and are delivered in 5 week teaching period. You should enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and [census dates](#).

IFN692 Prerequisite Unit Enrolment -

IFN591 Principles of User Experience is a prerequisite unit to the major core unit IFN692 Interaction Design for Emerging Technologies. Please select IFN591 in your Elective Units Option to meet IFN692 prerequisite requirement.

CAB432 Cloud Computing -

If you have completed this unit or an equivalent unit in your previous studies, you will need to complete an alternative unit instead. Recommended replacement unit to be chosen from the Computer Science major unit option list - please refer to the Computer Science major structure (60cp version) for the list of units. Please contact the faculty for assistance in updating your Study Plan accordingly.

Semesters

- [February 2-year-entry/ July 1.5-year-entry commencements](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [July 2-year-entry/ February 1.5-year-entry commencements](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elective Unit - IFN591 Principles of User Experience (prerequisite for core IFN692)	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN666	Web and Mobile Application Development
IFN664	Advanced Algorithms and Computational Complexity
Year 2, Semester 2	
IFN712	Research in IT Practice
CAB432	Cloud Computing
(note: CAB432 - if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study	

Plan updated)	
IFN692	Interaction Design for Emerging Technologies
(note: select prerequisite unit IFN591 in the electives prior to taking IFN692)	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elective Unit - IFN591 Principles of User Experience (prerequisite for core IFN692)	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
CAB432	Cloud Computing
(note: CAB432 - if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated)	
IFN692	Interaction Design for Emerging Technologies
(note: select prerequisite unit IFN591 in the electives prior to taking IFN692)	
Year 3, Semester 1	
IFN711	IT Industry Project
IFN666	Web and Mobile Application Development
IFN664	Advanced Algorithms and Computational Complexity

Year	2021
QUT code	IN21
CRICOS	083059E
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
International fee (indicative)	2020: \$34,700 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements

Academic entry requirements

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Entry Requirements

A completed recognised Bachelor Degree in the discipline of Information Technology with a minimum GPA of 4 (on a 7 point scale).

IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Course Overview

Graduates of the Master of IT degree will have the specialist knowledge and skills required for senior IT-related professional positions (both technical and managerial). The range of majors offered within the degree opens opportunities for students across the IT sector.

Students who graduate from this degree will have the ability to demonstrate advanced knowledge, based on research practices, in at least one IT discipline. They will undertake a significant research-based project that allows them to constructively apply the analytical skills they develop within an IT problem domain. The course will provide students with the ability to formulate best practice IT strategies and solutions and during this process create new IT discipline knowledge.

The degree aims to prepare students for

work in a specialist IT area through a program of study that balances theoretical content, project-based experiences and industry-oriented perspectives.

Core Units

Students must complete core units in Research Based Practice, Project Management and a major Project or 2 small Projects on the approval of their Course Coordinator.

Majors

Students may select a major of 48 credit points from the following disciplines;

- * Enterprise Systems
- * Security
- * Computer Science
- * Data Science
- * Business Process Management
- * Networks
- * Human Computer Interaction
- * Information Management
- * No Major

See Major Structure Lists for overviews

Masters Strand Options

Students must complete 24 credit points of Advanced Unit Options from the Options Strand

Course Completion Rules

Students should meet the following requirements before they are able to complete the IN21 program:

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units.
- Students wishing to specialise must complete the specific unit requirements for a major.
- Students wishing to complete their postgraduate studies without a single area of specialisation must satisfy the unit requirements for graduation with no major.
- Students may be allowed to take up to two units of electives from the list of approved elective units provided.

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)

Code	Title
Year 1, Semester 1	
Major Core Unit	
Major Core Unit/ Major Option Unit	

Master of Information Technology - Graduate Entry

IFN600	Understanding Research
[IFN600 is replaced by PG IT Elective Units from 2020. Refer to the 'PG IT Elective Unit Options' structure below (under Unit Lists section) for list of units]	
Advanced Unit Option OR IFN700 Project Management	
Year 1, Semester 2	
Major Core Unit/ Major Option Unit	
IFN700	Project Management
[IFN700 is replaced by PG IT Elective Units from 2020. Refer to the 'PG IT Elective Unit Options' structure below (under Unit Lists section) for list of units]	
OR Advanced Unit Option	
IFN712	Research in IT Practice
[IFN701 is replaced by IFN712 from 2020]	
Year 2, Semester 1	
Advanced Unit Option	
Major Core Unit/ Major Option Unit	
IFN711	IT Industry Project
[IFN702 is replaced by IFN711 from 2020]	

Year	2021
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Jason Watson

Domestic Entry requirements

A completed recognised Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

International Entry requirements

A completed recognised Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

This degree prepares you for entry into the dynamic and exciting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.

You will have the opportunity to interact with peers, lecturers and the information sector through social technologies and immersive learning environments. Designed to suit your busy lifestyle the degree can be taken online or face-to-face or a mix of both – the choice is yours. This course will position you for a challenging and rewarding career in today's information-rich and technology-driven age.

Entry Requirements

Domestic students:

A completed recognised Level 7 Bachelor Degree in any discipline with a minimum

GPA of 4 (on a 7 point scale).

International students:

A completed recognised Level 7 Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Course Completion Rules

Students should meet the following requirements before they are able to complete the IN22 program:

- Students are required to complete 192 credit points of units.
- Students are required to complete 60cp of core units comprising a research methods (12cp) unit and 48cp of research project work;
- Students are required to complete 96cp major comprising 8, 12cp units; and
- Students are required to complete 36cp of elective units including suitable units from the MBPM and the MIT

Why Study Information Science ?

Through this degree you will develop a broad understanding of the information science discipline with strong skills in a major selected from Information Management, or Library and Information Practice. The degree will position you to become a professional in a rapidly changing, technology driven and information rich world, having the communication, interpersonal skills and teamwork skills needed to work effectively in a global environment.

Professional Membership

Graduate eligible for membership of the Australian Library and Information Association (ALIA)

Flexible Delivery

This degree is designed to suit your busy lifestyle. Classes run in the evenings and many of the core units can be taken online, face-to-face or a mix of both - the choice is yours.

Domestic Course structure

This degree prepares you for entry into the dynamic and exciting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan,

develop, manage and evaluate

information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.

International Course structure

This degree prepares you for entry into the dynamic and exiting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.

Year	2021
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Jason Watson
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements

Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements

Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Planning your enrolment and key dates

Enrolment is undertaken on your Study Plan in QUT Virtual. Read the information under the Course Structure tab, note your **important enrolment key dates**, then access your Study Plan to enrol. **More information about Study Plans.**

Overview

The Graduate Certificate in Insolvency and Restructuring:

- Will boost your career by completing this specialised qualification in insolvency and restructuring.
- Provide you with in depth knowledge to understand and manage insolvency and restructuring issues
- Is delivered by professors and practitioners who have extensive experience in insolvency and restructuring. They will share their personal expertise to benefit your career
- Is available online, Australia-wide, with optional workshops in selected major capital cities

Aim

The course aims to provide suitably qualified graduates with a unique and specialist course responding directly to the needs of Australian and international practitioners in insolvency, restructuring and turnaround solutions. Comprising three core units and the choice of one elective, the course material will be presented in mostly modular format and will be developed according to the contemporary and up-to-the-minute needs of the industry. The course will deal with corporate and personal insolvency, placing an emphasis on corporate insolvency. It will examine turnaround and restructuring options and further, will focus on the protocols in ethics and professional responsibility to be cultivated in the insolvency practitioner. The course will also work to develop a suitable sense of commercial judgement in the emerging insolvency professional.

Entry Requirements

Domestic students

A recognised Bachelor degree or higher in law, accounting, economics or finance.

International Students

The course is not available to international student visa holders. It is available in an external mode only.

English Language Requirements

IELTS Overall 6.5 (with no sub-score less than 6.0) or equivalent accepted by QUT.

2015 Course Structure

Students admitting in 2015 semester one or two will complete one unit only per semester:

Semester 1: LWN805 Restructuring, Professionalism and Ethics in Insolvency Practice

5TP4: LWN803 Cross Border Insolvency or

Semester 2: LWN804 Regulatory Issues Impacting Insolvency Practice

Course Structure

The course consists of three core units and one elective.

LWN801 Insolvency Law and Professional Practice 1;

LWN802 Insolvency Law and Professional Practice 2; and

LWN805 Restructuring, Professionalism

and Ethics in Insolvency Practice

Choose one elective unit:

LWN803 Cross-Border Insolvency or
LWN804 Regulatory Issues Impacting
Insolvency Practice

Further study options

This qualification articulates into the Master of Laws (for those with a Law Degree) or the Master of Applied Law (for non-law professionals) for additional career development. On completion of this Graduate Certificate, you can apply for four units advanced standing toward either of these Masters Programs.

More Information

School of Law

Phone: 3138 2839

email: lawandjustice@qut.edu.au

Year	2021
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Jason Watson
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements

Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements

Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Librarians empower people by connecting them with information. Libraries provide access to information and technology, as well as programs and services that support business, government and education. They support individuals' lifelong learning and leisure pursuits and assist people to develop literacies.

This degree will prepare you for a rewarding career as a librarian. It has been designed to provide a dynamic, rich and stimulating learning experience that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will learn how to design, plan, implement, manage and evaluate information services to meet the needs of clients. You will also learn about the management, curation and preservation of information artifacts, as well as the applications of emerging technologies in information practice. In addition to core skills and knowledge related to information practice, you will develop the communication, interpersonal and teamwork skills needed to work effectively in a global environment.

A hands-on, real world based curriculum gives you the opportunity to explore the information professions broadly and to

gain a deep understanding of library and information practice.

Flexible Learning

This degree is designed to suit your busy lifestyle. Our flexible approach to teaching allows you to study online or face-to-face, or a mix of both. A blend of on campus classes, online classes, and class recordings provide you with options for how, when and where you engage with unit material.

Why choose this course?

Are you looking for a career in librarianship or the information professions more broadly? In this rapidly changing, technology driven and information rich age, careers in the information professions are varied and exciting. In this course, you will explore the interrelationships between information, technology and people and develop specialist skills and knowledge that will equip you for a variety of roles in the information professions.

Our innovative, flexible approaches to teaching and learning allow you to balance study with your other commitments.

Real world learning

The degree aims to prepare students for work as information professional through a program of study that balances theoretical content, project based experiences and industry orientated perspectives.

During your studies, you will:

- Undertake authentic learning and assessment activities that set the key learning activities within actual libraries and information centres or interacting directly with industry practitioners.
- Hear from invited speakers who present their own employment situation as an example of the topic or theme covered in the class.
- Explore real world or research inspired problems within units.
- Undertake industry based research projects, undertaken with both an industry supervisor and an academic supervisor.
- Participate in the QUT Career Mentoring Scheme where students are partnered with a current industry practitioner for 6 months.

Career outcomes

As a graduate of this course, you will be ready to take on a career as a librarian, specialist librarian, database manager,

Master of Information Science (Library and Information Practice)

web content manager, information architect, cataloguer, knowledge manager, or intranet manager.

Employment opportunities are extensive. Your ALIA accredited qualification can take you into a range of libraries, including

- academic libraries
- public libraries
- state and national libraries
- special libraries and information centres such as
 - o law libraries
 - o health and medical centres
 - o music libraries.

Opportunities also exist beyond traditional library contexts, including careers in

- knowledge management
- records management
- web and intranet development
- research, development and policy.

Professional recognition

As a graduate, you will be eligible for membership of the Australian Library and Information Association (ALIA).

Research pathways

This Masters degree provides a pathway to a research degree (Research Masters, Professional Doctorate or PhD). Students who successfully complete IFN600 Research Based Practice and a 48 credit point research project are encouraged to apply for enrolment in a doctoral program. IN22 provides direct pathways for entry to a PhD program as well as to the Faculty's Professional Doctorate, Doctor of Information Technology.

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)

Code	Title
Year 1, Semester 1	
IFN610	Management Issues for Information Professionals
IFN611	Information Retrieval
IFN612	Emerging Technologies for Information Practice
IFN620	Professional Practice
Year 1, Semester 2	
IFN614	Information Programs
IFN615	Information Management
IFN616	Online Information Services
IFN617	Managing and Organising Collections
Year 2, Semester 1	

IFN600	Understanding Research
[IFN600 is replaced by ...]	
IFN711	IT Industry Project
[IFN702 is replaced by IFN711 from 2020]	
Select 1 unit from the Information Science Options List	
Year 2, Semester 2	
IFN712	Research in IT Practice
[IFN701 is replaced by IFN701 from 2020]	
Select 1 unit from the Information Science Options List	
Select 1 unit from the Information Science Options List	

Year	2021
QUT code	IN23
CRICOS	062622A
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,600 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Syed Abbas Zaidi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements 1.5 year program

- A recognised bachelor degree (or higher qualification) in business or information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

- A recognised bachelor honours degree in business or information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*
- A recognised graduate diploma (or higher) in business or information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*
- Completion of QUT's [Graduate Certificate in Business Process Management](#) with a minimum grade point average of 4.00; *or*
- A recognised bachelor degree in business or information technology *plus* graduate certificate in business or information technology each with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

International Entry requirements 1.5 year program

A completed recognised bachelor degree in business or information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

A completed Australian honours bachelor degree in information technology or business with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*

A completed recognised graduate diploma in information technology or business with a minimum grade point average of 4.00 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0

Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

The Master of Business Process Management will provide graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles. Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course Structure

To be eligible for the Master of Business Process Management (IN23):

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units (120cp) which includes 48cp in specialist Business Process Management units
- Students must also complete two units (24cp) of electives from the list of approved elective units provided.

Domestic Course structure

The Master of Business Process Management provides graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles.

Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course completion rules

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units (96cp)
- Students must also complete four

units (48cp) of electives from the list of approved elective units provided. NB: *If you have no BPM Background, you should complete IFN515 Fundamentals of BPM in your first semester*

International Course structure

The Master of Business Process Management provides graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles.

Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course completion rules

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units (96cp)
- Students must also complete four units (48cp) of electives from the list of approved elective units provided. NB: *If you have no BPM Background, you should complete IFN515 Fundamentals of BPM in your first semester*

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)

Code	Title
Year 1, Semester 1	
IFN515	Fundamentals of Business Process Management
	Master BPM Option Unit
	Master BPM Option Unit
	Master BPM Option Unit
Year 1, Semester 2	
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
IFN712	Research in IT Practice
Year 2, Semester 1	
IFN650	Business Process Analytics
IFN711	IT Industry Project
	Master BPM Option Unit

Year	2021
QUT code	IN27
CRICOS	098601J
Duration (full-time domestic)	1 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	2 - 4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,100 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Associate Professor Yue Xu, Professor Chris Drovandi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements 2 year program

A recognised bachelor degree (or higher qualification) in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

1.5 year program

A recognised bachelor degree (or higher qualification) in information technology or mathematics with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

- A recognised bachelor honours degree in information technology or mathematics with a minimum grade point average of 4.00 (on QUT's 7 point scale)
- A recognised bachelor degree in information technology or mathematics with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* completion with a minimum grade point average (GPA) score of 4.00 of one of QUT's: [Graduate Certificate in Business Analysis](#), [Graduate Certificate in Computer Science](#), [Graduate Certificate in Cyber Security and Networks](#), [Graduate Certificate in Data Analytics](#)

International Entry requirements

Academic entry requirements 1.5 year program

You must have a completed recognised bachelor degree in information technology or mathematics (or related field), with a minimum grade point average of 4.00 (on QUT's 7 point scale).

2 year program

You must have a completed recognised bachelor degree in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To meet the course requirements for the Master of Data Analytics, you must complete 192 credit points of course units, consisting of:

- 48 credit points of core units
- 96 credit points of discipline units from your selected Major, or a range of units from across the majors if you choose not to nominate a major.
- 48 credit points of data analytics related elective units selected from an approved list of units, which is drawn from units offered in each of the majors.

Study Areas:

Choose your major in the following specialisation areas -

- Biomedical Data Science;
- Computational Data Science;
- Statistical Data Science; or
- No Major option

Students in the 1.5 year program

Please note: study plans are determined based on prior qualifications. The placement of the 48 credit point reduction across the study plan may vary between students. Clarification can be sought from the Course Coordinators once admitted.

International Course structure

To meet the course requirements for the Master of Data Analytics, you must complete 192 credit points of course units, consisting of:

- 48 credit points of core units
- 96 credit points of discipline units from your selected Major, or a range of units from across the majors if you choose not to nominate a major.
- 48 credit points of data analytics related elective units selected from an approved list of units, which is drawn from units offered in each of the majors.

Study Areas:

Choose your major in the following specialisation areas -

- Biomedical Data Science;
- Computational Data Science;
- Statistical Data Science; or
- No Major option

Students in the 1.5 year program

Please note: study plans are determined based on prior qualifications. The placement of the 48 credit point reduction across the study plan may vary between

Master of Data Analytics

students. Clarification can be sought from the Course Coordinators once admitted.

Sample Structure Semesters

- [Suggested Study Plan](#)
- [Semester 1 \(February\) commencements](#)
- [Semester 2 \(July\) commencements](#)
- [Semester 1 \(February\) commencements - Math cognate entrant](#)
- [Semester 2 \(July\) commencements - Math cognate entrant](#)
- [Semester 1 \(February\) commencements - IT cognate entrant](#)
- [Semester 2 \(July\) commencements - IT cognate entrant](#)
- [Unit Sets](#)
- [Core Units](#)
- [Professional Preparations Units](#)
- [Advanced Units](#)
- [Elective Units](#)

Code	Title
Suggested Study Plan	
Semester 1 (February) commencements	
Year 1, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
Professional Preparation Unit 1	
Professional Preparation Unit 2	
Elective Unit 1	
Year 1, Semester 2	
INN700	Introduction to Research
Professional Preparation Unit 3	
Professional Preparation Unit 4	
Advanced Unit 1	
Year 2, Semester 1	
IFN703	Advanced Project
Advanced Unit 2	
Elective Unit 2	
Elective Unit 3	
Year 2, Semester 2	
IFN704	Advanced Project 2
Advanced Unit 3	
Advanced Unit 4	
Elective Unit 4	
Semester 2 (July) commencements	
Year 1, Semester 2	
INN700	Introduction to Research
Professional Preparation Unit 1	
Professional Preparation Unit 2	
Elective Unit 1	
Year 2, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
Professional Preparation Unit 3	
Professional Preparation Unit 4	

Advanced Unit 1	
Year 2, Semester 2	
IFN703	Advanced Project
Advanced Unit 2	
Elective Unit 2	
Elective Unit 3	
Year 3, Semester 1	
IFN704	Advanced Project 2
Advanced Unit 3	
Advanced Unit 4	
Elective Unit 4	
Semester 1 (February) commencements - Math cognate entrant	
For 1.5 years program - Math background entrants	
Year 1, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
INN700	Introduction to Research
Professional Preparation Unit 1	
Elective Unit 1	
Year 1, Semester 2	
IFN703	Advanced Project
Professional Preparation Unit 2	
Advanced Unit 1	
Advanced Unit 2	
Year 2, Semester 1	
IFN704	Advanced Project 2
Advanced Unit 3	
Advanced Unit 4	
Elective Unit 2	
Semester 2 (July) commencements - Math cognate entrant	
For 1.5 years program - Math background entrants	
Year 1, Semester 2	
INN700	Introduction to Research
Professional Preparation Unit 1	
Professional Preparation Unit 2	
Elective Unit 1	
Year 2, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
Advanced Unit 1	
Advanced Unit 2	
Elective Unit 2	
Semester 1 (February) commencements - IT cognate entrant	
For 1.5 years program - IT background entrants	
Year 2, Semester 2	
IFN703	Advanced Project
IFN704	Advanced Project 2
Advanced Unit 3	
Advanced Unit 4	

Year 1, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
INN700	Introduction to Research
Professional Preparation Unit 1	
Elective Unit 1	
Year 1, Semester 2	
IFN703	Advanced Project
Professional Preparation Unit 2	
Advanced Unit 1	
Advanced Unit 2	
Year 2, Semester 1	
IFN704	Advanced Project 2
Advanced Unit 3	
Advanced Unit 4	
Elective Unit 2	
Semester 2 (July) commencements - IT cognate entrant	
For 1.5 years program - IT background entrants	
Year 1, Semester 2	
INN700	Introduction to Research
Professional Preparation Unit 1	
Professional Preparation Unit 2	
Elective Unit 1	
Year 2, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
Advanced Unit 1	
Advanced Unit 2	
Elective Unit 2	
Year 2, Semester 2	
IFN703	Advanced Project
IFN704	Advanced Project 2
Advanced Unit 3	
Advanced Unit 4	
Unit Sets	
Core Units	
INN700	Introduction to Research
IFN619	Data Analytics for Strategic Decision Makers
IFN703	Advanced Project
IFN704	Advanced Project 2
Professional Preparations Units	
Select 48 credit points from the options list:	
IFN509	Data Exploration and Mining
IFN515	Fundamentals of Business Process Management
IFN552	Systems Analysis and Design
IFN554	Databases
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
MXN500	Statistical Data Analysis

Master of Data Analytics

MXN501	Stochastic Modelling
Advanced Units	
Select 48 credit points from the options list:	
CAB420	Machine Learning
IFN645	Large Scale Data Mining
IFN646	Biomedical Data Science
IFN647	Text, Web and Media Analytics
IFN650	Business Process Analytics
MXN600	Advanced Statistical Data Analysis
MXN601	Advanced Stochastic Modelling
Elective Units	
Please refer to the MDA Elective Unit Options structure under 'Unit Lists' section at the bottom of the page	

Semesters

- [Semester 1 \(February\) commencement](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Semester 2 \(July\) commencement](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)

Code	Title
Semester 1 (February) commencement	
Year 1, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
IFN552	Systems Analysis and Design
IFN554	Databases
(note: IFN552 (6cp) and IFN554 (6cp) to be taken in pairs)	
IFN509	Data Exploration and Mining
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
(note: IFN555 (6cp) and IFN556 (6cp) to be taken in pairs)	
Year 1, Semester 2	
INN700	Introduction to Research
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
(note: IFN563 (6cp) and IFN564 (6cp) to be taken in pairs)	
Major option unit (List 1)	
Elective unit	
Year 2, Semester 1	
IFN703	Advanced Project
Major option unit (List 2)	
Elective unit	

Elective unit	
Year 2, Semester 2	
IFN704	Advanced Project 2
Major option unit (List 1)	
Major option unit (List 2)	
Elective unit	
Semester 2 (July) commencement	
Year 1, Semester 2	
INN700	Introduction to Research
IFN552	Systems Analysis and Design
IFN554	Databases
(note: IFN552 (6cp) and IFN554 (6cp) to be taken in pairs)	
IFN509	Data Exploration and Mining
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
(note: IFN555 (6cp) and IFN556 (6cp) to be taken in pairs)	
Year 2, Semester 1	
IFN619	Data Analytics for Strategic Decision Makers
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
(note: IFN563 (6cp) and IFN564 (6cp) to be taken in pairs)	
Major option unit	
Elective unit	
Year 2, Semester 2	
IFN703	Advanced Project
Major option unit	
Major option unit	
Major option unit	
Year 3, Semester 1	
IFN704	Advanced Project 2
Elective unit	
Elective unit	
Elective unit	

Semesters

- [Semester 1 \(February\) commencement](#)
- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Semester 2 \(July\) commencement](#)
- [Year 1, Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 3, Semester 1](#)

Code	Title
Semester 1 (February) commencement	
Year 1, Semester 1	
MXN500	Statistical Data Analysis
IFN619	Data Analytics for Strategic Decision Makers

IFN555	Introduction to Programming
IFN556	Object Oriented Programming
(note: IFN555 (6cp) and IFN556 (6cp) to be taken in pairs)	
Elective unit	
Year 1, Semester 2	
MXN501	Stochastic Modelling
INN700	Introduction to Research
IFN509	Data Exploration and Mining
Elective unit	
Year 2, Semester 1	
MXN601	Advanced Stochastic Modelling
IFN703	Advanced Project
Major option unit	
Elective unit	
Year 2, Semester 2	
MXN600	Advanced Statistical Data Analysis
IFN704	Advanced Project 2
Major option unit	
Elective unit	
Semester 2 (July) commencement	
Year 1, Semester 2	
MXN501	Stochastic Modelling
INN700	Introduction to Research
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
(note: IFN555 (6cp) and IFN556 (6cp) to be taken in pairs)	
Elective unit	
Year 2, Semester 1	
MXN500	Statistical Data Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN509	Data Exploration and Mining
Elective unit	
Year 2, Semester 2	
MXN600	Advanced Statistical Data Analysis
IFN703	Advanced Project
Major option unit	
Elective unit	
Year 3, Semester 1	
MXN601	Advanced Stochastic Modelling
IFN704	Advanced Project 2
Major option unit	
Elective unit	

Year	2021
QUT code	PH80
CRICOS	043548G
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,200 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Andrew Fielding; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in one of the following fields:

- Biomedical, medical, medical electronics etc engineering
- Biophysics
- Electrical, avionics etc engineering
- Geophysics
- Mechanical engineering
- Medical physics
- Physics

The following degrees (or higher qualification) are not acceptable:

- Medical imaging
- Radiotherapy
- Medical radiation

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree (or higher award) in physics or in science with a major in physics.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Design

Stage 1— Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2— Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Professional Recognition

The course is accredited by the Australasian College of Physical Sciences and Engineers in Medicine.

Domestic Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for part-time students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

International Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Sample Structure Semesters

- [STAGE 1: Students must complete units from the list below, totalling 96 credit points:](#)
- [Year 1, Semester 1 \(February to June\)](#)
- [Year 1, Semester 2 \(July to October\)](#)
- [STAGE 2: Project over One Semester or Summer Program](#)

Code	Title
STAGE 1: Students must complete units from the list below, totalling 96 credit points:	
Year 1, Semester 1 (February to June)	
ENN515	Total Quality Management
LSN104	Advancing Anatomy and Physiology
PCN113	Radiation Physics
PCN211	Physics of Medical Imaging
Year 1, Semester 2 (July to October)	
PCN112	Medical Imaging Science
PCN212	Radiotherapy

Master of Applied Science (Medical Physics)

PCN214	Health and Occupational Physics
PCN218	Research Methodology and Professional Studies
STAGE 2: Project over One Semester or Summer Program	
PCN520	Project (FT)

Year	2021
QUT code	IF80
CRICOS	095410G
Duration (full-time domestic)	1.5 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2021: \$30,300 - \$36,800 per year full-time
Total credit points	144
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale) relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

International Entry requirements

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale) relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Mandatory units

You'll need to complete:

- a time-based thesis
- IFN001 Advanced Information

Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

Study areas

Your faculty may have several specialisations (study areas) that your research will align with. This will appear on your testamur at graduation:

Business

- Master of Philosophy (Accountancy)
- Master of Philosophy (Advertising)
- Master of Philosophy (Economics)
- Master of Philosophy (Entrepreneurship and Innovation)
- Master of Philosophy (Finance)
- Master of Philosophy (Human Resource Management)
- Master of Philosophy (International Business)
- Master of Philosophy (Management)
- Master of Philosophy (Marketing)
- Master of Philosophy (Philanthropy and Nonprofit Studies)
- Master of Philosophy (Public Relations)

Creative Industries

- Master of Philosophy (Design)
- Master of Philosophy (Communication)
- Master of Philosophy (Creative Practice)

Education

- Master of Philosophy (Education)

Health

- Master of Philosophy (Biomedical Sciences)
- Master of Philosophy (Exercise Sciences)
- Master of Philosophy (Materiobiology)
- Master of Philosophy (Medical Radiations)
- Master of Philosophy (Nursing)
- Master of Philosophy (Nutrition and Dietetics)
- Master of Philosophy (Optometry)
- Master of Philosophy (Paramedicine)
- Master of Philosophy (Pharmacy)
- Master of Philosophy (Physical Education)
- Master of Philosophy (Podiatry)
- Master of Philosophy (Public Health)
- Master of Philosophy (Psychology)
- Master of Philosophy (Social Work)

Master of Philosophy

Law

- Master of Philosophy (Law)
- Master of Philosophy (Justice)

Science and Engineering

- Master of Philosophy (Engineering)
- Master of Philosophy (Information Technology)
- Master of Philosophy (Magnetic Resonance in Medicine)
- Master of Philosophy (Mathematics)
- Master of Philosophy (Science)
- Master of Philosophy (Urban Development)

International Course structure

Mandatory units

You'll need to complete:

- a time-based thesis
- IFN001 Advanced Information Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

Study areas

Your faculty may have several specialisations (study areas) that your research will align with. This will appear on your testamur at graduation:

Business

- Master of Philosophy (Accountancy)
- Master of Philosophy (Advertising)
- Master of Philosophy (Economics)
- Master of Philosophy (Entrepreneurship and Innovation)
- Master of Philosophy (Finance)
- Master of Philosophy (Human Resource Management)
- Master of Philosophy (International Business)
- Master of Philosophy (Management)
- Master of Philosophy (Marketing)
- Master of Philosophy (Philanthropy and Nonprofit Studies)
- Master of Philosophy (Public Relations)

Creative Industries

- Master of Philosophy (Design)
- Master of Philosophy (Communication)
- Master of Philosophy (Creative Practice)

Education

- Master of Philosophy (Education)

Health

- Master of Philosophy (Biomedical Sciences)
- Master of Philosophy (Exercise Sciences)
- Master of Philosophy

- (Materiobiology)
- Master of Philosophy (Medical Radiations)
- Master of Philosophy (Nursing)
- Master of Philosophy (Nutrition and Dietetics)
- Master of Philosophy (Optometry)
- Master of Philosophy (Paramedicine)
- Master of Philosophy (Pharmacy)
- Master of Philosophy (Physical Education)
- Master of Philosophy (Podiatry)
- Master of Philosophy (Public Health)
- Master of Philosophy (Psychology)
- Master of Philosophy (Social Work)

Law

- Master of Philosophy (Law)
- Master of Philosophy (Justice)

Science and Engineering

- Master of Philosophy (Engineering)
- Master of Philosophy (Information Technology)
- Master of Philosophy (Magnetic Resonance in Medicine)
- Master of Philosophy (Mathematics)
- Master of Philosophy (Science)
- Master of Philosophy (Urban Development)

Year	2021
QUT code	IF49
CRICOS	006367J
Duration (full-time domestic)	3 - 4 years
Duration (full-time international)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2021: \$30,300 - \$36,800 per year full-time
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Discipline Coordinator	3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Academic entry requirements

You must have either:

- a completed recognised relevant honours degree (first class or second class Division A) or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

For more information on eligibility, read the [admission criteria for the Doctor of Philosophy \(PDF, 98.5KB\)](#).

Once you've started your PhD, you'll need to complete your Stage 2 milestone to be fully admitted to your course. You'll usually complete this milestone within the first three months of study.

Masters and professional doctorate degrees by coursework must have a significant research component, normally not less than 25%. Holders of masters and professional doctorate by coursework must:

- have a minimum grade point average (GPA) score of 5.0 on QUT's 7 point scale; *and*
- present evidence of research experience and potential for approval

International Entry requirements

Academic entry requirements

You must have either:

- a completed recognised relevant honours degree or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Masters and professional doctorate degrees by coursework must have a significant research component, normally not less than 25%. Holders of masters and professional doctorate by coursework must:

- have a minimum grade point average (GPA) score of 5.0 on QUT's 7 point scale; *and*
- present evidence of research experience and potential for approval

Admission to the Doctor of Philosophy depends on an applicant's demonstrated

research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

Once you've started your PhD, you'll need to complete your Stage 2 milestone to be fully admitted to your course. You'll usually complete this milestone within the first three months of study.

For more information on eligibility, read the [admission criteria for the Doctor of Philosophy \(PDF, 98.5KB\)](#).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Doctor of Philosophy (PhD) offers the opportunity to work with an experienced supervisory research team to make a significant and original contribution to disciplinary knowledge. A PhD candidate's research must reveal high critical ability and powers of imagination and synthesis and may be, depending on discipline, demonstrated in the form of new knowledge or significant and original adaptation, application and interpretation of existing knowledge. This world-class program provides a basis for critical inquiry and welcomes collaborative and interdisciplinary research projects. A QUT PhD graduate will be equipped to seek employment in industry, research organisations and universities.

Entry requirements

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

An applicant would normally hold:

- a relevant first or second class division A honours degree or equivalent, or
- an appropriate Masters degree or Professional Doctorate (by research or coursework)

Masters and Professional Doctorates degrees by coursework must contain a

Doctor of Philosophy (Hosted by Faculty of Science)

significant research component, normally no less than 25%.

Holders of Masters and Professional Doctoral by Coursework must:

- have a grade point average of at least 5.0 on a 7 point scale and
- present evidence of research experience and potential for approval

International Student Entry

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

An applicant would normally hold:

- . a relevant first or second class division A honours degree or equivalent, or
- . an appropriate Masters degree or Professional Doctorate (by research or coursework)

Masters and Professional Doctorates degrees by coursework must contain a significant research component, normally no less than 25%.

Holders of Masters and Professional Doctoral by Coursework must:

- have a grade point average of at least 5.0 on a 7 point scale and
- present evidence of research experience and potential for approval

English language proficiency requires International applicants to meet an IELTS overall band score of 6.5 with no sub-score below 6.0.

FINANCIAL GUARANTEE

Acceptable forms of evidence include:

- A letter from an approved employer confirming the continuation of your salary; OR
- A signed Scholarship Agreement between QUT and your sponsoring agency; OR
- An accepted letter of offer from QUT for a postgraduate research scholarship; OR
- An approved external scholarship.

Location & duration

The expected duration of the Doctor of Philosophy is three to four years full-time, or six to eight years part-time. Full-time study is normally conducted on-campus at QUT. Part-time and external study options may be available depending on the project, infrastructure requirements and funding arrangements. Although QUT offers this flexibility, candidates must meet minimum attendance requirements and the university must be satisfied that adequate supervision and resources are available.

International student visas require on-campus study to be completed full-time.

Course Structure

QUT adopts a project management approach. PhD candidates work closely with their supervisory team to meet collegially reviewed milestones leading to timely submission of a thesis for examination. QUT is proud of its record of timely completions and low attrition rates realised by this approach.

During candidature the supervisor and other key stakeholders will provide advice and direction to the candidate to encourage their participation in university scholarly activities such as research seminars, teaching and publication. The length of the thesis varies according to the topic, but should normally be no longer than 100,000 words, excluding bibliography.

Fees

Australian citizens and permanent residents will be awarded a Research Training Scheme (RTS) place. Domestic students are not required to apply for an RTS entitlement, as it will be automatically allocated. The RTS covers tuition fees but not other study related costs. PhD Students are entitled to four years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for extension, however the University may charge fees for the period of the program, which exceeds the student's entitlement. The University determines the fee level for domestic and international students.

Further Information

For further information about this course, please contact:

Research Students Centre
Phone: +61 7 3138 4475, Email:
research.enrolment@qut.edu.au

Science and Engineering Faculty
Professor Chris Langton
Assistant Dean - Research
Phone: +61 7 3138 2595
Email: sef.research@qut.edu.au

Domestic Course structure Course design

Mandatory

- IFN001 Advanced Information Retrieval Skills
- Time based Thesis

Other units as agreed by student in negotiation with their supervisor and faculty.

International Course structure

Course design

Mandatory

- IFN001 Advanced Information Retrieval Skills
- Time based Thesis

Other units as agreed by student in negotiation with their supervisor and faculty.

Year	2021
QUT code	MV01
CRICOS	103172A
Duration (full-time)	4 years
ATAR/Selection rank	91.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$4,400 per year full-time (105 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

Bachelor of Mathematics/Master of Teaching (Secondary)

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Summer](#)
- [Maths options *](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB105	Calculus and Differential Equations
Year 1, Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
MXB161	Computational Explorations
MXB241	Probability and Stochastic Modelling 2
Summer	
Maths Optional unit *	
Maths options *	
Select one unit (12 credit points) from the list below.	
MXB100	Introductory Calculus and Algebra
(Note: Students who haven't completed Maths C/Specialist Mathematics MUST select MXB100)	
MXB261	Modelling and Simulation Science
MXB262	Visualising Data
SEB104	Grand Challenges in Science
Year 2, Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
or	
MXB242	Regression and Design
MXB232	Introduction to Operations Research
IFB104	Building IT Systems
Year 2, Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
MXB334	Operations Research for

	Stochastic Processes
CAB201	Programming Principles
Year 2, Summer (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
MXB322	Partial Differential Equations
OR	
MXB332	Optimisation Modelling
MXB326	Computational Methods 2
OR	
MXB341	Statistical Inference
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and	

requires a blue card. Must be taken in your final semester of study.

EUN240 Teachers Researching Practice

Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.

MXN600 Advanced Statistical Data Analysis

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 1 Summer](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4 Semester 1](#)
- [Year 4 Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
CZB190	Chemistry for Health Sciences
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
BVB101	Foundations of Biology
BVB102	Evolution
Science Option Unit	
Year 1 Summer	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB203	Plant Biology
BVB301	Animal Biology
Science Option Unit	
Year 2, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
BVB313	Population Genetics and Molecular Ecology
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent

	Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB305	Microbiology and the Environment
Biology and Environmental Science Research	
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4 Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4 Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling

OR	
MXN600	Advanced Statistical Data Analysis

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 1 Summer Semester](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
SEB113	Quantitative Methods in Science
MXB100	Introductory Calculus and Algebra
CVB203	Physical Chemistry
Science Option Unit	
Year 1 Summer Semester	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Maths Option Unit	
Science Option Unit	
Year 2, Semester 2	
CVB204	Organic Structure and Mechanisms
CVB302	Applied Physical Chemistry
CVB303	Coordination Chemistry
Science Option Unit	
Year 2, Summer (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent

	Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
CVB301	Organic Chemistry: Strategies for Synthesis
CVB304	Chemistry Research Project
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling
OR	

MXN600	Advanced Statistical Data Analysis
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Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 1 Summer Semester](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
ERB201	Destructive Earth: Natural Hazards
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
ERB101	Earth Systems
ERB102	Evolving Earth
Science Option Unit	
Year 1 Summer Semester	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
ERB202	Marine Geoscience
ERB301	Chemical Earth
ERB205	Earth Materials
Maths Option Unit	
Year 2, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
ERB206	Petrology
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital

	Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
ERB302	Applied Geophysics
ERB305	Geological Field Methods
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling

OR	
MXN600	Advanced Statistical Data Analysis

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Environmental Science)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- [Year 1, Semester 1](#)
- [Year 1, Semester 2](#)
- [Year 1 Summer Semester](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
CZB190	Chemistry for Health Sciences
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Science Option Unit	
Year 1 Summer Semester	
SEB104	Grand Challenges in Science
Year 2, Semester 1	
EVB312	Soils and the Environment
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Science Option Unit	
Year 2, Semester 2	
ERB310	Groundwater Systems
BVB204	Ecology
EVB302	Environmental Pollution
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies

EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB311	Conservation Biology
Biology and Environmental Science Research	
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
MXN501	Stochastic Modelling

OR	
MXN600	Advanced Statistical Data Analysis

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the [QTAC initial teacher education webpage](#).

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Bachelor of Science (Physics)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- [Year 1, Semester 1](#)
- [Year 1 Semester 2](#)
- [Year 2, Semester 1](#)
- [Year 2, Semester 2](#)
- [Year 2, Summer 2 \(EU50 Master of Teaching \(Secondary\)\)](#)
- [Year 3, Semester 1](#)
- [Year 3, Semester 2](#)
- [Year 4, Semester 1](#)
- [Year 4, Semester 2](#)

Code	Title
Year 1, Semester 1	
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
SEB104	Grand Challenges in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Science Option Unit	
Year 2, Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Science Option Unit	
Science Option Unit	
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Science Option Unit	
Science Option Unit	
Year 2, Summer 2 (EU50 Master of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous

	Education
PVB304	Physics Research
Year 3, Semester 1	
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 3, Semester 2	
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card	
Year 4, Semester 1	
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231-2	Professional Experience: Transition to Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
PCN113	Radiation Physics

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	

International Entry requirements

Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the [Teacher Entry Fact Sheet](#).

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

Course requirements: Literacy and numeracy

You will need to successfully complete the National Literacy and Numeracy Test for Initial Teacher Education Students to graduate from the course. You are permitted three test attempts in total for each component as a student at QUT. If you fail three test attempts for each component, you will not be able to graduate. You are not eligible to apply for a place in the course if you have failed

two test attempts for one or more components, at another institution. The test will assess your personal literacy and numeracy skills. QUT provides you with one reimbursement to cover the cost of the test. For more information view additional course requirements.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)

Overall	7.5
Listening	8.0
Reading	7.5
Writing	7.5
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.